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BULLETIN No. 23-62

SURFACE WATER FLOW FOR 1962

JULY 1965

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FOREWORD

This report presents hydrologic data for the hydrographic regions of Northern and Central California. These data were collected by the four area branches of the department: Northern, Bay Area, Delta, and San Joaquin Valley. Each branch uses standard hydrographic procedures in the collection of these data.

The data collected by the department and presented in this report are augmented by a network of approximately 400 stream gaging stations, whose records are published by the U. S. Geological Survey in the annual water supply paper.

The reporting period is the Water Year (October 1 to September 30) for streamflow and stage data, and the Diversion Year (November 1 to October 30) for the diversion data contained herein.

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STATE OF CALIFORNIA—RESOURCES AGENCY

WILLIAM E. WARNE, Direct

DEPARTMENT OF WATER RESOURCES

P.O. BOX 388
SACRAMENTO

July 27, 1964

Honorable Edmund G. Brown, Governor,
and Members of the Legislature of
the State of California

Gentlemen:

I have the honor to transmit herewith Bulletin No. 23-62, "Surface Water Flow for 1962." This report is a continuation of the annual series which commenced in 1924 and contains basic data of water flow, diversions, stream stages, and maximum and minimum tides. Although the majority of the material pertains to the Sacramento and San Joaquin Rivers and their tributaries, the data are presented on a regional basis in accordance with the subdivision of the State into hydrographic areas.

The data presented in this report covers a year of near normal runoff. However, the distribution of the runoff was not normal with heavy concentrations in February and April, and the summer months producing flows below normal.

Sincerely yours,

William E. Warne

Director

Acknowledgments

Cooperation and assistance have been received by the department in the collection of these data from various public and private agencies. This department is grateful to those agencies and appreciates this opportunity to acknowledge their help.

The United States Department of the Interior, Geological Survey, and Bureau of Reclamation, furnished stream stage and flow data and data on the reservoirs of the Central Valley Project, respectively. The United States Corps of Engineers, Department of the Army, has made available streamflow data for certain San Joaquin Valley streams.

The Pacific Gas and Electric Company, the Sacramento Municipal Utility District, and the Modesto and Turlock Irrigation Districts have furnished a large number of electric power consumption records for computation of the quantity of water pumped from streams.

The City of San Francisco Public Utilities Commission has assisted in the collection of other hydrologic data presented in this report.

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor
HUGO FISHER, Administrator, The Resources Agency
WILLIAM E. WARNE, Director, Department of Water Resources
ALFRED R. GOLZE', Chief Engineer

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DIVISION OF RESOURCES PLANNING

William L. Berry . . . . . Division Engineer
Albert J. Dolcini . . . . . Chief, Planning Management Branch
Arthur L. Winslow, Jr. . . . . Associate Engineer, Water Resources

This report was assembled from material supplied
by the four area branches

Northern Branch

John M. Haley . . . . . Branch Chief
Robert M. Middleton . . . . . Chief, Measurement Unit
Walter D. McIntyre . . . . . Water Resources Engineering Associate

Delta Branch

Carl A. Werner . . . . . Branch Chief
Jacob Angel . . . . . Chief, Hydrology Unit
Joseph L. Clausse . . . . . Water Resources Engineering Associate

San Joaquin Valley Branch

Carl L. Stetson . . . . . Branch Chief
Cledith L. Chastain . . . . . Chief, Hydraulic Unit
Patrick E. Logan . . . . . Assistant Civil Engineer

Bay Area Branch

Charles A. McCullough . . . . . Branch Chief
Glenn R. Peterson . . . . . Chief, Water Supply Unit
John C. Etchells . . . . . Water Resources Engineering Associate

INTRODUCTION

This report presents surface water data for the Water Year 1962 which is from October 1, 1961 to September 30, 1962. The data presented here consists of stream gaging station descriptions, streamflow quantities, stream stage tables, diversion quantities, and contents of reservoirs.

Stream gaging station descriptions are presented with the historic maximum discharge and are shown with the discharge tables. Written detailed locations of the gaging stations and other important data on the length of record and datum of gage is also presented.

Quantities of daily mean discharge for most stations shown here are computed by an electronic computer which was first used extensively for this purpose in the 1961 report. The gage height data is extracted from the standard recorder chart by a semiautomatic chart reading machine and put into machine language. The gage height data are fed into the computer simultaneously with rating data and daily mean discharges, total monthly acre-feet, and instantaneous maximum and minimum discharges are computed. The data are then tabulated by machine for direct publication into this report. Those gaging stations presented here which are affected by a backwater condition are not adaptable to computation by machine method, and are computed manually by standard methods.

Daily mean stage tables of regular and tide affected streams are shown here. These daily mean gage heights are computed by the electronic computer, as mentioned above. The gage height data are to the nearest one-hundredth of a foot, and the major crests for the year are shown.

Quantities of water diverted for use are shown as monthly total acre-feet and total acre-feet diverted for a certain reach of stream. In the San Joaquin Valley, diversions averaging less than 200 acre-feet for the last three years were not measured.

Accretions to Streamflow

There are large quantities of accretions to the flows of the streams and channels in their courses across the valley floors. These accretions are of major importance as available irrigation supplies. They are made up of flows from scores of small surface drains, and other flows such as from minor ephemeral streams, from seepage and return of percolated irrigation water, and from escaping underground water normally present as the result of percolated rainfall on the valley floor. The amount of total accretion along any stream reach is the summation of amounts of measured drains plus unmeasured accretions.

Because accretions are not a measured quantity, but rather the result of subtracting measured upstream flow from the flow at a station downstream, they contain all the errors of measured flow involved. For this reason, figures of accretions have not been included in this report.

"Report of Sacramento-San Joaquin Water Supervision" was published annually from 1924 through 1955. Data pertinent to that area is now included as a part of this publication.

Data formerly appearing in "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys," published from 1913 through 1956, are also included as a part of this bulletin.

The objective of this report is to bring together, in a permanent and usable form, all surface flow data gathered by the Department of Water Resources during the 1962 water year. Other relevant data are added for the convenience of the user.

Definitions of Terms

A list of definitions of terms as used herein follows:

Second-foot or cubic foot per second is the unit rate of discharge of water. It is a cubic foot of water passing a given point in one second.

Acre-foot is the quantity of water required to cover one acre to a depth of one foot. It is equivalent to 43,560 cubic feet or 325,850 gallons.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, which is enclosed by a drainage divide.

Unimpaired runoff is the flow that would occur naturally at a point in a stream if there were: (1) no upstream controls such as dams and reservoirs; (2) no artificial diversions or accretions; and (3) no changes in ground water storage resulting from development. Unimpaired flow is computed from measured runoff by allowing for man-made changes in natural conditions.

Water Year is the 12-month period from October 1 of any year through September 30 of the subsequent year, and is designated by the calendar year in which it ends.

Consumptive use is the water transpired, evaporated, and used in promoting vegetative growth plus the water evaporated from adjacent soil and water surfaces.

Scope

The work of the Department of Water Resources is concerned with gathering basic data relating to water supply and utilization. In addition to the collection of data on operational water supply, the department is actively engaged in the collection of hydrologic water supply data to augment the base network of the United States Geological Survey. The work consists of field measurements and observations and office computations to determine the daily or monthly quantities of streamflow and diversions.

The field activities include the construction and maintenance of streamflow gaging stations, and the measurements of (1) flow in streams and drainage channels, (2) the amounts of water returned to natural channels through drainage plants or gravity drains, and (3) the amounts of water diverted for use by each water user. The field work also includes the recording of the diversions and acreages irrigated by the large eastside irrigation districts (Modesto, Merced, Oakdale, South San Joaquin, and Turlock), and the diversions and deliveries by the canals of the Central Valley Project.

The office work is comprised of the preparation of hydrographic data for computation by machine methods. This work consists of developing a rating curve for each stream flow station from a series of instantaneous discharge measurements, and a related formula of the curve. The formula is written in electronic computer language as rating data for computation as previously mentioned.

The office work also includes the manual computation and compilation of the discharge of certain rivers and streams which are not readily computable by an electronic computer. The reason certain discharges are not computable by the electronic computer is because the direct stage-discharge relationship has been destroyed by ice forming on the control, by backwater from a tributary downstream, or by a control structure downstream.

As a regular part of the office work, quantities of water diverted for use are also computed. The quantities computed are total monthly acre-feet. The acre-foot quantities are computed from pumping plant efficiency curves which are developed from a series of instantaneous discharge measurements. The electrical power input, the pumping head, and the discharge are recorded simultaneously to compute the efficiency of a pumping plant. This recording of pumping data is done as part of the field work previously mentioned. The office work involved requires the development of the efficiency curve and the computation of the monthly acre-feet by using the monthly electrical power input records.

TABLES

The tables of daily mean discharge and stage herein are presented by the hydrographic region in which they fall. The hydrographic regions are the same used by the State Water Pollution Control Board. These regions shown on Plate I are the North Coastal, San Francisco Bay, Central Valley, and the Lahontan Regions.

Data for selected stations are received from other agencies and presented herein. The data are checked and published as received.

Daily Mean Discharge

The streamflow tables are arranged, for each stream or stream system, in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named from the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Fremont Ford Bridge).

Each stream gaging station has a stage-discharge relationship of rating developed. The rating gives the flow in second-feet for each gage height at the station. When flows at a single station occur in excess of 140 percent of the highest measurement on the rating, the computed daily mean discharges from the electronic computer are shown as estimated. Normally, the rating is fairly permanent where there is a fixed channel and a fixed flow regimen at the station. The rating varies, however, where the bed at the channel is of loose shifting sand, or where aquatic growth builds up in the channel changing the flow regimen.

Where the rating is not permanent and varies periodically, more frequent measurements of discharge are necessary to accurately determine the daily mean discharge.

An automatic water stage recorder is operated at most of the gaging stations presented in this report. The continuous records of water surface elevations at the stations serve three major purposes in the preparation of the data presented in this report. First, the actual surface elevations at two adjacent stations on a stream afford the means of obtaining the water surface elevations at the pumping plants along the stream between those stations. These elevations give the pumping heads, which in turn become factors in determining the rates of diversion or drainage of pumping plants. Second, the water surface elevation (gage height) is a factor in determining the flow of the stream, in second-feet, passing the station. Third, the gage heights are presented in the stage tables for use in determining flood crests.

At the bottom of each table of flow is a description of the gaging station including latitude and longitude; township, range, and section; written location description; maximum discharge of record; period of record; and the datum of gage.

All streamflow data reported herein are derived through the use of mechanical, arithmetical, and empirical operations and methods. Since the results are affected by inherent

inaccuracies in the procedures and equipment used, it becomes necessary to establish limits of accuracy for which the data are reported. The following is a listing of significant figures used in reporting streamflow data:

1. Daily flows - second-feet

0.0 - 9.9	Tenths
10 - 99	2 significant figures
100 - up	3 significant figures

2. Means - second-feet

0.0 - 99.9	Tenths
100 - 999	3 significant figures
1000 - above	4 significant figures

The water year totals are reported to a maximum of four significant figures.

Daily Mean Gage Heights

Tables of daily mean gage height and crest stages were published prior to 1957 in a report of this department titled "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys."

At the bottom of the stage tables are shown the major river crests occurring during the Water Year 1961-62. At stations where an individual daily staff gage reading is taken, which is noted at the bottom of each table, the major crests are not shown.

Two types of daily data are presented for the height or stage of water surface: (1) for streams subject to tidal influences, daily maximum and minimum gage heights; and (2) for those streams beyond tidal influence, daily mean gage height, or an average of one or more daily staff gage or wire-weight gage readings.

Gage heights for stage tables are read in the field or electronically computed from recorder charts, and may be reported to either the nearest tenth or one-hundredth of a foot.

Daily gage heights, in feet, are tabulated for each day of the 1962 Water Year. The elevation of the water surface at the gaging station is obtained by adding the gage height readings to the elevation of the gage datum presented in the description at the bottom of each table.

Lakes and Reservoirs

Two types of data are presented for lakes and reservoirs: (1) daily content in acre-feet for Shasta, Folsom, Berryessa, and Millerton Lakes; and (2) daily stage in feet for all others. Plate 3 consists of hydrographs of Shasta Lake, Folsom Lake, and Millerton Lake.

Diversions

These tables show the water diverted during the period November 1, 1961 - October 31, 1962. While the major use of water is for agriculture, small amounts that are diverted for municipal and industrial uses are also reported in the Sacramento Valley. In the San Joaquin Valley, diversions are shown for only the larger users. Along the Stanislaus, Tuolumne, and Merced River, and the San Joaquin River between Vernalis and Friant, and Dry Creek diversions averaging less than 200 acre-feet per year for the last three years were not measured. The diversions that were dropped from the measurement program accounted for only about five percent of the total quantity of water diverted.

The amounts of water diverted by pumping were determined by rating the capacity of each diversion pumping plant and collecting data on hours of operation. The amounts of water diverted by gravity (indicated by "Gravity" in column headed "Number and Size of Pump") were determined either by calibrating suitable measuring devices or by rating canals in a manner similar to that used to rate streamflow stations.

Because of the intermittent operation of most diversion facilities, the monthly diversion values are reported in acre-feet to three significant figures. The totals for individual water users and stream reaches are reported to four significant figures.

Summary of Water Supply and Utilization, Sacramento-San Joaquin Delta

The complexity of waterways, tidal action, seepage, and methods of agricultural water use results in hydrologic problems which preclude normal methods of measuring water supply and water utilization in the Sacramento-San Joaquin Delta.

The correlation of water supply and use for the Delta Service Area, divided into uplands and lowlands, is shown in Table 13. The water supply available to the area is determined from 13 gaging stations, listed under "Water Supply" in the table, and from 42 precipitation stations in the area. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the Delta-Mendota and Contra Costa Canals, and diversions for the City of Vallejo. Agricultural use in the uplands is determined by direct measurement of diversions; however, in the lowlands, because it cannot be measured directly, agricultural use is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27 entitled "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays." Crop acreages are determined by periodic land use surveys. Values used in this report were determined from a survey made in 1955.

Supplementary Tables

The supplementary tables include precipitation data and runoff comparisons.

Precipitation. Table 10 presents the monthly precipitation data for the water year for several stations in the Sacramento and San Joaquin Valleys, from Shasta Dam to Fresno. The stations give a broad and general indication of the rainfall on the floor of the Central Valley.

Runoff Comparisons. The relative magnitude of runoff occurring on any one stream during a given year may be shown as the ratio of the runoff of that year with the average runoff of the stream expressed as a percentage. For this report, the average unimpaired runoff is computed for the 50-year period October 1907 through September 1957. Table 11 presents, for the major streams of the Central Valley area, the 1961-62 monthly unimpaired runoff expressed as a percent of the 50-year average monthly unimpaired runoff. Table 12 shows the unimpaired average annual runoff for the same streams and the percentage of the 50-year average unimpaired runoff for each water year from 1910-11 through 1961-62.

Salinity. Data of salinity is not shown in this report as in the past, but it is now included in Bulletin No. 65-62, "Quality of Surface Water in California, 1962."

Miscellaneous Measurements

Table 368 contains tabulations of discharge measurements of streamflow on various streams at locations other than those where continuous recorders are maintained. When the flows as shown here are correlated with flows of nearby streams, an estimate of the runoff can be determined.

DEPARTMENT REPORTS OF BASIC WATER RESOURCES DATA

Reports issued annually by the Department of Water Resources to record basic hydrologic data and to present conditions of water supply include the following:

Bulletin Series No.	Name
23	Surface Water Flow (formerly Sacramento-San Joaquin Water Supervision)
39	Water Supply Conditions in Southern California
65	Quality of Surface Waters in California
66	Quality of Ground Waters in California
77	Ground Water Conditions in Central and Northern California
--	Water Conditions in California (published in February, March, April, and May of each year)

NORTH COASTAL REGION

NORTH COASTAL REGION

Introduction

The North Coastal Region covers the same portion of Northern California as does the North Coastal Water Pollution Control Region 1, and is shown on Plate 1. The stream systems within this region drain the western slopes of the Coast Range north of Marin County, the Klamath Mountains, and a portion of the Cascade Range. Data tabulated in this report show daily mean discharge at stations in the Shasta, Scott, and Trinity River basins.

Streamflow in this area results mostly from surface runoff but is sustained in late spring and early summer by melting snowpack in the eastern portion of the area, and through the summer and early fall by ground water seepage from a thick, absorptive soil mantle.

The 1961-62 streamflow data presented in this report represent conditions of runoff which are generally good, a great improvement over conditions of the past three years. The North Coastal area presents records of flow which are about 80 percent of normal.

Tabular Information

On the following pages, data are tabulated for gaging stations for the 1962 water year.

TABLE 1

GAGING STATION
ADDITIONS AND DISCONTINUATIONS

NORTH COASTAL REGION

ADDITIONAL STATIONS
None

DISCONTINUED STATIONS
Shasta River near Weed

PUBLICATION DISCONTINUED
None

TABLE 2

DAILY MEAN DISCHARGE

SHASTA RIVER AT EDGEWOOD
IN SECOND FEET

STATION NO	WATER YEAR
F21700	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	21	109	54	32	65	91	67	72	22	3.3	5.8	1
2	15	21	118	53	34	66	94	69	72	21	3.4	5.2	2
3	15	20	78	54	35	68	97	74	82	18	3.5	5.9	3
4	14	22	58	50	36	73	101	78	71	17	3.8	6.5	4
5	12	22	54	51	36	200	115	77	61	14	3.6	6.0	5
6	12	21	48	55	57	285	126	80	55	13	3.2	6.3	6
7	14	21	44	64	173	133	141	88	52	12	4.7	6.4	7
8	14	21	42	64	394	112	159	115	49	11	8.1	6.9	8
9	15	20	40	60 •	475	98	153	109	55	9.1	12	6.6	9
10	15	20	40	56	218	86	125	131	63	6.6	10	7.9	10
11	17 •	20	35	52	148	80	113	102	59 •	4.5	9.3	8.0	11
12	17	18	34	57	194	76	117	85	57	5.3	7.1	8.1	12
12	19	19 •	35 •	52	373 •	70	134	79	56	4.9	7.5•	6.4	13
14	19	22	36	42	224	68	163	74	51	4.2	6.3	6.5	14
15	17	20	36	40	422	70	169	68	49	6.3	5.8	6.9	15
16	17	20	36	36	276	69	144	65 •	40	7.7	5.6	7.3	16
17	16	20	37	36	157	67	131	61	37	8.8•	4.7	6.3	17
18	17	21	36	35	130	66	131 •	69	33	9.2	5.2	5.3•	18
19	16	22	262	71	111	67	131	63	33	6.9	5.5	6.6	19
20	18	24	344	64	99	87	108	69	35	7.0	4.1	7.8	20
21	19	23	212	49	90	77	91	57	32	5.9	4.0	8.3	21
22	17	23	122	56	85	86	88	61	33	4.3	4.8	7.2	22
22	18	29	97	58	82	76	93	86	32	3.8	6.2	8.4	23
24	18	50	83	54	82	73	107	64	30	2.7	5.1	9.6	24
25	18	61	79	44	75	77	89	59	30	3.3	4.0	7.8	25
26	18	169	70	32	66	88	77	56	30	3.4	4.2	8.7	26
27	39	173	66	31	67	101 •	105	55	28	3.4	5.1	9.2	27
28	46	90	63	31	62	102	94	63	26	3.3	5.0	17	28
29	27	147	59	32		99	75	72	23	3.4	6.4	17	29
30	24	135	55	32		101	67	73	22	3.7	6.3	16	30
31	23		55	33		98		74		4.2	6.6		31
MEAN	18.7	43.8	80.1	48.3	151	93.0	114	75.6	45.6	8.1	5.6	8.1	MEAN
MAX.	46.0	173	344	71.0	475	285	169	131	82.0	22.0	12.0	17.0	MAX.
MIN.	12.0	18.0	34.0	31.0	32.0	65.0	67.0	55.0	22.0	2.7	3.2	5.2	MIN.
AC. FT.	1152	2608	4925	2971	8396	5720	6801	4647	2713	496	346	480	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
57.0	1030	4.65	12	19	2010	2.4	1.15	7	24	0000	41260

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 28 20	122 26 18	SE20 42N 5W	1030	4.65	12/19/61	MAR 61 - DATE	MAR 61 - DATE	1961		0.00	LOCAL

Station located on downstream side of Edgewood Road bridge, 1.2 mi. N. of Edgewood. Tributary to Dwinnell Reservoir. Stage-discharge relationship at times affected by ice.

TABLE 3

DAILY MEAN DISCHARGE

LITTLE SHASTA RIVER NEAR MONTAGUE

IN SECOND FEET

STATION NO	WATER YEAR
F21300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.0	3.2	5.1	7.7	34	7.3E	53	29	15	5.5	3.7	2.9	1
2	3.0	3.1	5.4	7.9	28	7.1E	53	31	13	5.4	3.8	2.8	2
3	3.0	3.7	4.4	7.8	24	6.6	47	29	13	5.4	3.9	2.9	3
4	3.0	3.5	4.1	7.9	22	6.4	52	28	13	5.3	3.3	2.9E	4
5	3.0	3.1	4.5	8.1	20	6.7	59	27	13	5.3	3.6	2.9E	5
6	3.0	3.1	3.4E	9.1	22	7.9	57	27	12	4.4	3.8	2.9E	6
7	3.0	3.0	3.8E	12	23	7.6	66	27	11	4.7	4.5	2.9E	7
8	3.0	2.7	3.5E	11	25	8.7	72	28	11	4.8	4.6	2.9E	8
9	3.0	2.9	3.3E	9.3	29	9.2	59	27	10	4.5	4.6	2.9E	9
10	3.0*	2.9	2.8	7.9*	28	7.9	45	30	10	4.4	4.1	2.9E	10
11	3.5	3.1	2.9	8.6	23	7.0	42	30	9.8*	4.6	3.7	2.9E	11
12	3.4	2.9	3.5E	6.6	20	8.2	46	26	9.4	5.2	3.4	2.9E	12
13	3.0	2.9	4.0E	6.3	18 *	9.3	49	25	9.2	4.5	3.4	2.9#	13
14	2.9	2.9*	4.0#	7.1	16	9.7	52	26	8.9	4.5	3.2	2.8	14
15	2.8	2.6	4.0E	9.1	17	9.0	50	24	8.6	4.5	3.1	2.9	15
16	2.8	2.9	4.1E	5.6	16	8.1	44	23 *	8.9	4.5	3.3	2.8	16
17	2.8	3.9	4.0E	8.3	15	9.0	41	22	8.8	4.2	3.5	2.9	17
18	2.8	5.0	4.0E	7.7	14	13	38	22	8.2	4.4*	3.6	2.9*	18
19	3.0	4.4	26 E	7.6	12	17	33	21	7.0	4.3	3.6	3.6	19
20	3.6	3.2	50	7.9	10	20	29	20	7.1	4.3	3.4	3.4	20
21	3.0	3.8	34	12 E	5.4E	17	28	20	7.1	4.4	3.3	3.8	21
22	3.0	4.1	15	12 E	6.0E	15	30	20	6.9	3.7	3.0	3.8	22
23	3.0	4.0	12	7.8E	7.1E	13	30	28	6.8	3.8	3.5	3.6	23
24	2.8	4.1	12	7.8E	8.6E	12	30	21	6.7	4.0	3.4	3.6	24
25	2.8	3.1	11	8.2E	7.1E	26	27 *	20	6.4	3.9	3.6	3.7	25
26	3.5	6.7	7.9	8.3	6.7E	43	26	19	6.6	3.7	3.3	4.0	26
27	6.1	4.9	8.9	8.2	8.4E	52	36	18	6.1	3.7	3.2	3.8	27
28	5.3	3.9	7.7	12	7.8E	44 *	32	17	5.8	3.1	3.3	6.2	28
29	3.9	3.8	8.4	20		37	27	18	5.7	4.2	2.8	5.3	29
30	3.4	4.3	9.3	37		42	25	16	5.7	3.9	2.8	4.8	30
31	3.5		9.3	37		46		16		3.6	2.9		31
MEAN	3.3	3.6	9.1	10.8	16.9	17.2	42.6	23.7	9.0	4.4	3.5	3.4	MEAN
MAX.	6.1	6.7	50.0	37.0	34.0	52.0	72.0	31.0	15.0	5.5	4.6	6.2	MAX.
MIN.	2.8	2.6	2.8	5.6	5.4E	6.4	25.0	16.0	5.7	3.1	2.8	2.8	MIN.
AC. FT.	200	214	560	662	938	1057	2535	1458	537	271	217	201	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
12.2	123	2.86	12	20	1930	NR					8849

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 45 11	122 17 58	NW15 45N 4W	741E	4.76	11/13/57	28-NOV 51 δ APR 52-APR 55 SEP 56-DATE	28-NOV 51 δ APR 52-APR 55 SEP 56-DATE	1956		0.00	LOCAL

Station located S. of Ball Mountain Road, 12 mi. NE of Montague, 16 mi. SW of MacDoel. Stage-discharge relationship at times affected by ice. Drainage area is 48.1 sq. mi.

δ - Irrigation season only

TABLE 4

DAILY MEAN DISCHARGE

ETNA CREEK NEAR ETNA

IN SECOND FEET

STATION NO	WATER YEAR
F25620	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.5	6.7	24	28	21	29	111	115	79	14	4.0	2.4	1
2	2.9	6.9	20	27	24	29	119	149	82	13	3.6	2.3	2
3	2.6	6.7	17	31	26	26	121	165	77	12	3.6	2.2	3
4	2.3	8.5	16	30	26	22	127	158	65	11	3.8	2.3	4
5	2.3	7.3	15	28	27	24	145	145	59	11	3.6	2.2	5
6	2.2	6.5	15	31	54	24	155	147	58	11	3.4	2.1	6
7	2.4	6.1	14	36	70	22	171	154	61	9.7	14	2.0	7
8	2.5	5.9	13	37	71	22	182	164	67	9.2	17	2.1	8
9	2.5	5.9	12	36	87	21	169	137	73	8.7	16	2.0	9
10	7.4	7.2	12	35 *	85	22	145	121	67	8.0	9.7	2.0	10
11	9.1*	7.1	11	32	67	21	133	106	64 *	8.8	7.1	2.2	11
12	5.2	6.5	12	31	60	20	153	96	61	9.1	5.9	2.2	12
13	4.4	6.2*	11 *	29	62	20	181	87	53	8.0	5.2*	1.9	13
14	4.2	5.9	11	26	55 *	20	214	80	48	7.4	4.9	2.2E	14
15	4.0	5.6	10	24	55	21	204	76	44	7.2	4.4	2.0E	15
16	3.8	5.4	10	24	49	20	177	73 *	45	6.8	4.1	2.1E	16
17	3.6	5.5	13	23	45	20	169	73	44	6.5*	4.1	2.1E	17
18	3.6	5.3	12	21	40	21	173 *	77	42	6.1	3.9	2.1#	18
19	3.5	5.2	208	25	37	24	172	76	41	5.7	3.6	2.0	19
20	3.6	5.0	262	23 E	35	26	141	70	37	5.4	3.5	2.0	20
21	4.0	5.2	195	23 E	32	26	119	67	35	5.0	3.3	1.8	21
22	4.0	34	94	23 E	30	26	118	69	33	4.7	3.2	1.8	22
23	4.2	76	69	22 E	29	24	140	77	31	4.4	3.2	1.8	23
24	4.4	58	56	22 E	28	28	153	70	28	4.1	3.0	1.7	24
25	4.0	33	49	24 E	26	60	129	65	24	4.0	2.8	1.5	25
26	5.7	30	42	22 E	27	74	114	63	23	3.7	2.6	1.5	26
27	47	28	37	21 E	29	86 *	210	69	21	3.7	2.6	1.9	27
28	14	22	34	19 E	29	86	170	76	19	4.6	2.7	15	28
29	8.0	23	31	18 E		85	131	89	17	5.7	2.8	6.4	29
30	6.6	28	29	18		89	110	82	15	6.3	2.8	4.4	30
31	6.3		28	19		98		78		4.3	2.7		31
MEAN	5.9	15.4	44.6	26.1	43.8	36.6	152	99.2	47.1	7.4	5.1	2.7	MEAN
MAX.	47.0	76.0	262	37.0	87.0	98.0	214	165	82.0	14.0	17.0	15.0	MAX.
MIN.	2.2	5.0	10.0	18.0E	21.0	20.0	110	63.0	15.0	3.7	2.6	1.5	MIN.
AC. FT.	363	918	2741	1603	2432	2253	9037	6097	2803	454	312	159	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
40.3	611	9.16	12	19	2010	NR					29170

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 25 53	122 54 57	NE 6 41N 9W	4040E	10.87	2/8/60	SEP 50-JUN 55 JUN 56-DATE	SEP 50-JUN 55 JUN 56-DATE	1957		0.00	LOCAL

Station located S. of Sawyers Bar-Etna Highway, 2.1 mi. SW of Etna. Tributary to Scott River. Stage-discharge relationship at times affected by ice. Flow influenced by upstream diversion dam of City of Etna. Drainage area is 20.1 sq. mi.

TABLE 5

DAILY MEAN DISCHARGE

MOFFETT CREEK NEAR FORT JONES
IN SECOND FEET

STATION NO	WATER YEAR
F25420	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	1.7	4.3	6.4	4.9	15	23	9.7	4.3	1.6	1.0	0.8	1
2	1.1	1.6	4.6	6.1	5.5	14	23	9.7	3.9	1.7	0.8	1.0	2
3	1.3	1.6	4.6	5.5	6.4	14	22	9.0	3.6	1.6	0.7	1.0	3
4	1.2	1.7	4.3	5.1	8.0	15	20	7.9	3.0	1.5	0.7	0.9	4
5	1.0	1.9	3.9	5.5	7.6	16	17	7.4	3.0	1.4	0.9	0.9	5
6	0.9	1.9	3.9	5.5	7.4	17	18	6.4	3.0	1.4	0.9	0.9	6
7	1.0	1.9	3.6	5.5	10	18	17	3.6	3.0	1.3	0.8	1.1	7
8	1.1	1.8	3.3	5.1	12	19	18	3.3	2.7	1.3	1.0	1.0	8
9	1.2	1.8	3.3	5.3	20	22	17	3.3	3.0	1.3	1.0	1.2	9
10	1.0	1.9	3.3	5.6#	23	22	15	4.6	2.4	1.5	0.9	0.9	10
11	1.0•	1.9	3.0E	5.1	22	21	14	7.9	2.8•	1.3	0.9	0.8	11
12	1.1	1.7	3.0E	5.1	20	19	13	9.0	2.4	1.2	0.9	1.0	12
13	0.9	1.7	3.0#	4.7	22	18	8.7	9.0	2.3	1.0	1.0•	1.2	13
14	1.0	2.7	3.0	4.3	25 •	19	9.4	9.7	2.3	1.1	0.9	0.9	14
15	1.0	2.7	3.0	3.9	32	19	14	8.5	2.8	1.1	0.8	0.9	15
16	1.0	2.7	3.3	3.9	35	18	14	9.0•	2.7	1.0	0.8	0.9	16
17	1.6	2.4	3.6	4.3	31	20	18	9.0	2.4	1.1•	0.8	0.9	17
18	1.6	2.4	3.9	4.7	30	21	15 •	8.8	2.3	1.1	0.8	0.8	18
19	1.7	2.4	5.0	4.2E	28	21	15	8.3	2.5	1.2	0.9	0.8	19
20	1.5	2.4	7.9	4.3E	26	21	16	8.4	2.5	1.1	0.9	1.2	20
21	1.6	2.4	8.5	4.3E	23	20	13	8.0	2.6	0.7	0.7	1.2	21
22	1.6	2.4	9.0	4.3F	21	21	12	8.2	2.5	0.7	0.6	1.2	22
23	1.6	2.4	9.7	4.3E	21	19	12	7.6	2.5	0.8	0.5	1.1	23
24	1.3	3.9	10	4.3E	20	20	12	7.4	2.3	0.9	0.6	1.1	24
25	1.3	3.9	9.7	4.1E	18	20	11	7.4	2.2	1.1	0.8	1.2	25
26	1.4	3.9	9.0	3.8	14	22	10	7.6	2.7	1.1	0.8	1.3	26
27	1.6	3.9	8.2	3.9	12	23 •	11	6.7	2.3	1.0	0.9	1.5	27
28	1.2	3.3	7.9	4.3	14	24	12	6.1	2.2	0.7	1.0	2.0	28
29	1.4	3.6	7.4	4.7		25	11	6.2	2.1	0.7	1.4	1.3	29
30	1.7	3.9	6.9	4.8		25	10	6.4	1.6	0.9	1.1	1.3	30
31	1.7		7.1	4.7		25		5.9		0.9	0.8		31
MEAN	1.3	2.5	5.5	4.8	18.5	19.8	14.7	7.4	2.6	1.1	0.9	1.1	MEAN
MAX.	1.7	3.9	10.0	6.4	35.0	25.0	23.0	9.7	4.3	1.7	1.4	2.0	MAX.
MIN.	0.9	1.6	3.0E	3.8	4.9	14.0	8.7	3.3	1.6	0.7	0.5	0.8	MIN.
AC. FT.	79	148	340	293	1029	1216	875	456	157	70	53	64	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.6	NR					NR					4779

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 38 01	122 44 46	NE27 44N 8W	1880E	4.39	1/29/58	OCT 52-OCT 54 JUN 57-DATE	OCT 52-OCT 54 JUN 57-DATE	1957		0.00	LOCAL

Station located 90 ft. above Old Fort Jones-Yreka Highway bridge, 5.1 mi. NE of Fort Jones. Tributary to Scott River. Stage-discharge relationship at times affected by ice. Drainage area is 69.8 sq. mi.

TABLE 6

DAILY MEAN DISCHARGE

WEAVER CREEK NEAR DOUGLAS CITY

IN SECOND FEET

STATION NO	WATER YEAR
F41540	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.2	4.0	94	12	15	38	73	50	30	5.9	1.1	0.5	1
3	2.2	3.8	54	13	15	37	74	51	32	5.9	1.0	0.5	2
2	2.3	4.1	29	13	14	42	73	50	32	5.2	1.0	0.5	3
4	1.9	3.9	22	13	12	46	76	49	29	4.8	1.4	0.5	4
5	1.7	4.1	19	13	11	290 E	83	48	28	4.4	1.6	0.5	5
6	1.5	4.2	16	13	35	448	85	49	23	4.6	1.6	0.4	6
7	1.8	3.8	14	14	269	196	87	50	22	3.8	2.4	0.5	7
8	2.1	3.5	13	13	478	134	89	53	21	3.6	4.7	0.5	8
9	2.4	3.5	12	14	283	107	86	48	21	3.3	15	0.5	9
10	3.0	4.5	12	13	158	87	79	51	21	3.2	5.6	0.6	10
11	3.7	4.4	9.9	13 *	86	80	76	46	21	2.9	3.8	0.6	11
12	4.0	4.7	10	13	83	67	84	41	21	3.2	2.9	0.5	12
12	3.0 *	4.1	10	12	1140	59	89	38	21 *	3.1	2.6	0.5	13
14	2.4	4.2	11	10	333 *	57 *	91	38	20	2.7	2.2	0.6	14
15	2.2	4.2 *	9.7 *	10	450	55	89	36	22	2.6	2.1	0.7	15
16	2.2	4.1	8.5	8.5	286	58	85 *	34	18	2.4	1.9	0.7	16
17	2.7	4.1	11	7.6	177	76	82	34	17	2.4	1.5	0.6	17
18	1.9	4.2	15	9.9	136	57	79	32 *	16	2.0	1.5	0.6	18
19	2.2	4.7	205	78	106	55	79	31	14	2.1 *	1.5	0.8	19
20	2.4	5.7	278 *	74	83	54	65	29	13	2.1	1.3	0.8 *	20
21	2.8	5.6	131	23	69	54	61	29	12	2.0	1.2	0.9	21
32	3.0	9.7	54	18	60	71	61	30	12	1.7	1.1	1.0	22
33	3.4	13	33	18	55	62	62	31	11	1.8	1.0	1.2	23
24	3.5	34	25	18	47	53	64	31	9.5	1.6	1.0	1.2	24
35	3.5	42	21	17	41	51	59	30 *	8.9	1.4	0.9	1.3	25
26	3.5	40	18	15	39	52	55	30	8.6	1.4	0.8	1.5	26
27	10	26	16	12	37	55	64	29	8.1	1.3	0.7	1.8	27
28	10	19	14	12	38	57	59	30	8.3	1.2	0.7	2.9	28
29	5.3	43	14	12		64	52	31	8.0	1.4	0.7	3.5	29
30	4.5	62	13	14		67	49	32	7.3	1.5	0.6	3.3	30
31	4.4		12	14		72		31		1.2	0.6		31
MEAN	3.3	12.6	38.8	17.4	163	87.1	73.7	38.5	17.9	2.8	2.1	1.0	MEAN
MAX.	10.0	62.0	278	78.0	1140	448	91.0	53.0	32.0	5.9	15.0	3.5	MAX.
MIN.	1.5	3.5	8.5	7.6	11.0	37.0	49.0	29.0	7.3	1.2	0.6	0.4	MIN.
AC. FT.	202	750	2388	1071	9037	5357	4383	2364	1063	172	131	60	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
37.3	3190	9.07	2	13	1050	0.4	5.73	9	4	1530	26980

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 40 13	122 56 33	SE36 33N 10W	3240E	10.37	2/28/60	JAN 57 - DATE	JAN 57 - DATE	1957		0.00	LOCAL

Station located 0.2 mi. below U. S. Highway 299 bridge, 1.2 mi. N. of Douglas City, 4.2 mi. S. of Weaverville. Tributary to Trinity River. Drainage area is 48.4 sq. mi.

TABLE 7

DAILY MEAN DISCHARGE

BROWNS CREEK NEAR DOUGLAS CITY

IN SECOND FEET

STATION NO	WATER YEAR
F41510	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.8	8.1	103	20	32	78	177	43	20	8.3	0.6	3.0	1
2	4.8	8.0	92	19	32	76	165	42	18	7.8	0.8	2.8	2
3	4.6	8.6	54	19	32	74	148	40	18	6.6	1.8	3.0	3
4	4.6	8.2	37	18	30	70	141	38	18	7.1	2.9	2.8	4
5	4.6	8.2	30	18	30	210	143	35	17	6.6	3.0	2.1	5
6	4.6	7.8	26	17	39	496	134	34	16	6.6	3.0	2.1	6
7	4.3	7.7	22	17	95	374	132	32	15	5.3	3.8	2.1	7
8	4.2	7.6	20	17	240	297	130	34	15	5.4	10	2.8	8
9	4.8	7.6	18	17	330	248	116	35	14	5.5	21	3.3	9
10	5.7	7.6	17	16	294	205	101	42	14	4.6	14	3.0	10
11	6.7	7.4	16	15	196	166	92	41	13	4.5	9.4	2.7	11
12	6.8	7.6	16	16	178	137	87	35	12	5.5	7.9	2.8	12
13	6.4	7.2	16	16	794	120	83	34	12	5.8	7.1	3.7	13
14	6.1	7.6	16	14	488	113	80	38	13	6.5	6.5	4.1	14
15	5.7	7.7	15	16	598	108	77	36	14	6.3	6.3	4.9	15
16	5.4	7.9	16	13	482	107	70	34	13	5.6	5.7	4.5	16
17	5.1	7.8	16	16	354	109	67	32	12	5.1	5.4	4.0	17
18	5.7	9.1	18	17	280	109	63	30	12	3.6	5.2	3.0	18
19	5.6	8.7	49	36	216	114	63	29	11	3.1	5.9	2.9	19
20	5.2	9.6	112	63	175	115	59	29	11	2.0	5.4	2.8	20
21	5.3	9.8	122	34	145	113	55	29	10	3.0	5.5	3.3	21
22	5.5	10	84	31	127	117	52	28	9.4	3.6	4.8	3.5	22
23	6.5	11	61	35	119	106	51	27	9.2	2.7	4.7	3.1	23
24	6.8	29	47	35	110	97	48	27	9.2	2.3	4.8	3.1	24
25	6.8	47	41	35	101	96	48	27	8.6	1.7	4.3	3.0	25
26	6.9	44	35	35	90	105	46	28	8.4	2.1	3.9	2.0	26
27	9.4	31	31	31	82	133	54	28	7.7	2.0	3.4	2.6	27
28	12	19	28	24	80	163	52	24	8.0	1.6	3.0	5.8	28
29	9.5	30	26	27		184	48	22	7.8	1.3	2.4	7.7	29
30	8.7	71	23	30		183	46	21	8.0	1.6	2.3	6.7	30
31	8.1		21	31		175		20		1.0	2.4		31
MEAN	6.2	15.4	39.6	24.1	206	155	87.6	32.1	12.5	4.3	5.4	3.4	MEAN
MAX.	12.0	71.0	122	63.0	794	496	177	43.0	20.0	8.3	21.0	7.7	MAX.
MIN.	4.2	7.2	15.0	13.0	30.0	70.0	46.0	20.0	7.7	1.0	0.6	2.0	MIN.
AC. FT.	379	916	2436	1484	11440	9517	5213	1972	742	267	332	205	AC. FT.

e — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
48.2	1290	12.8	2	13	1210	0.3	7.78	7	31	2400	34900

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 38 35	122 58 46	SE10 32N 10W	3950E	16.60	2/18/58	JAN 57 - DATE	JAN 57 - DATE	1957		0.00	LOCAL

Station located at private bridge, 2.1 mi. W. of Douglas City. Tributary to Trinity River. Stage-discharge relationship at times affected by ice. Drainage area is 71.4 sq. mi.

TABLE 8

DAILY MEAN DISCHARGE

NORTH FORK TRINITY RIVER AT HELENA

IN SECOND FEET

STATION NO	WATER YEAR
F42100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	46	466	224	248	276	935	399	327	169	53	35	1
3	21	47	415	220	264	265	900	440	348	144	50	32	3
3	21	44	304	227	261	251	871	484	342	138	49	31	3
4	20	53	235	221	248	248	927	495	275	140	52	29	4
5	20	47	206	208	237	441	1010	442	254	142	50	29	5
6	19	42	187	232	322	740	1000	452	264	131	47	28	6
7	19	40	167	300	746	620	1070	451	299	120	93	27	7
8	19	39	152	297	1450	531	1100	485	327	122	344	27	8
9	21	38	139	286	1790	495	970	447	376	123	461	26	9
10	22	37	127	254	1660	441	793	407	364	112	184	25	10
11	39	44	115	228 •	1110	392	739	386	343	104	117	25	11
12	32	42 •	109	215	882	350	836	353	335	100	91	26	13
13	30 •	39	102	195	1590	328	924	330	330 •	95	78	25	13
14	29	36	99	176	1490 •	325 •	1030	310	277	88	69	26	14
15	27	37 •	90 •	165	1720	324	959	295	247	82	61	26	15
16	26	38	92	154	1460	327	799 •	291	271	76	56 •	25	16
17	25	39	119	147	1040	326	744	294	281	76	54	24	17
18	25	38	132	148	798	335	718	305 •	288	78	52	23	18
19	25	37	819	174	634	364	694	300	305	76 •	50	23	19
20	24	33	2200	178	534	383	546	269	303	75	48	23 •	20
21	27	33	1810 •	143	456	384	472	256	288	74	45	24	21
22	31	68	874	128	417	399	475	267	291	69	44	24	22
23	29	207	572	150	396	366	552	278	289	66	42	24	23
24	30	371	456	144	369	357	586	256	267	64	41	24	24
25	30	278	397	145	343	444	490	238 •	240	63	39	23	25
26	30	448	350	151	313	593	440	231	206	60	38	23	26
27	144	347	311	151	290	697	612	237	183	57	43	23	27
28	128	223	284	160	290	756	600	290	171	57	60	38	28
29	61	282	263	182		821	463	316	183	73	60	67	29
30	48	500	249	210		888	409	329	176	79	50	41	30
31	46		234	230		932		315		59	43		31
MEAN	35.1	119	390	195	763	465	756	344	282	93.9	83.4	28.2	MEAN
MAX.	144	500	2200	300	1790	932	1100	495	376	169	461	67.0	MAX.
MIN.	19.0	33.0	90.0	128	237	248	409	231	171	57.0	38.0	23.0	MIN.
AC. FT.	2160	7087	23950	11990	42360	28560	44950	21120	16760	5776	5125	1678	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
292	3290	11.90	12	19	2300	19.0	4.68	10	6	0950	211500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 46 56	123 07 39	SW21 34N 11W	13500	19.66	1/12/59	JAN 57 - DATE	JAN 57 - DATE	1957		0.00	LOCAL

Station located 1.0 mi. above mouth, 0.6 mi. N. of Helena. Stage-discharge relationship at times affected by ice. Drainage area is 151 sq. mi.

TABLE 9

DAILY MEAN DISCHARGE

BIG CREEK NEAR HAYFORK

IN SECOND FEET

STATION NO	WATER YEAR
F44500	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.1	5.4	79	9.2	14	24	118	21	8.3	5.9	0.1	0.8	1
2	0.5	4.5	49	8.2	13	24	108	20	8.2	5.5	0.1	0.1	2
3	0.4	4.7	28	9.3	12	25	99	20	8.3	5.7	0.1	0.8	3
4	0.7	5.2	21	10	10	28	97	19	8.4	6.1	0.2	0.2	4
5	1.1	5.0	18	9.4	8.6	56	101	17	7.7	5.8	0.3	0.1	5
6	0.0	4.4	16	9.6	14	61	98	18	7.9E	3.2	1.1	0.1	6
7	0.0	4.2	15	11	72	49	97	17	7.5E	2.6	7.0	0.2	7
8	0.0	4.8	14	10	150	45	92	16	6.7E	1.3	18	0.2	8
9	0.2	4.6	13	11	183	46	82	14	6.2E	1.6	21	0.5	9
10	0.1	4.2	10	11	135	44	70	14	5.7E	1.2	14	0.5	10
11	0.5	4.6	9.2	10 *	78	43	64	18	5.3E	1.4	10	0.2	11
12	0.4	4.7	9.0	10	63	39	61	16	4.9E	1.3	7.0	0.3	12
13	0.4*	4.0	9.3	9.8	191	38	59	15	4.5*	1.6	1.0	0.4	13
14	1.0	4.0	9.4	9.7	181	36 *	54	15	5.4	1.0	2.0	0.2	14
15	1.0	4.7#	8.1*	7.9	214 *	35	47	14	5.9	1.0	1.4	0.1	15
16	0.5	6.1	6.3	7.9	154	36	41 *	13	7.5	1.1	0.9	0.5	16
17	0.5	4.1	6.9	7.7	96	37	37	11	9.2	1.1	1.4	0.4	17
18	1.7	3.7	5.9	7.7	74	39	34	9.2*	6.6	0.7	1.3	0.1	18
19	1.3	4.7	33	21	54	44	34	9.6	9.2	0.2	2.0	0.3	19
20	0.9	4.6	87 *	25	45	48	32	9.6	11	0.4	1.2	0.4	20
21	2.8	4.4	91	13	38	51	32	9.8	9.2	0.4	0.4	0.4	21
22	3.3	5.9	35	13	34	54	31	9.0	7.2	0.7	0.9	0.1	22
23	2.7	14	20	13	32	48	29	9.4	7.8	0.2	0.2	0.2	23
24	3.6	27	15	12	30	45	27	9.4	7.1	0.0	0.3	0.2	24
25	5.1	25	13	9.4	28	45	27	10	6.1	0.0	1.0	0.0	25
26	10	29	12	6.6	26	53	25	9.9	5.2	0.2	0.1	0.1	26
27	20 *	21	10	6.9	25	73	29	10	8.6	0.2	0.1	0.4	27
28	18	18	9.8	7.2	26	90	29	9.5	6.9	0.2	0.1	0.8	28
29	7.7	50	9.2	9.7		100	27	9.3	6.8	0.2	0.0	1.1	29
30	6.1	78	9.2	12		110	22	8.6	5.7	1.3	0.1	1.0	30
31	4.8		8.6	13		118		8.6		0.6	0.9		31
MEAN	3.1	12.2	21.9	10.7	71.5	51.1	56.8	13.2	7.2	1.7	3.0	0.4	MEAN
MAX.	20.0	78.0	91.0	25.0	214	118	118	21.0	11.0	6.1	21.0	1.1	MAX.
MIN.	0.0	3.7	5.9	6.6	8.6	24.0	22.0	8.6	4.5	0.0	0.0	0.0	MIN.
AC. FT.	191	723	1349	657	3968	3142	3378	813	426	105	187	21	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
20.7	298	7.80	2	9	1430	0.0		10	6	0000	14960

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 33 11	123 08 35	SE 7 31N 11W	1540E	9.25	2/18/58	FEB 57 - DATE	FEB 57 - DATE	1957		0.00	LOCAL

Station located 30 ft. above Hayfork-Douglas City Highway bridge, 2 mi. E. of Hayfork. Tributary to South Fork Trinity River via Hayfork Creek. Flow influenced by upstream diversion dam of City of Hayfork. Drainage area is 27.3 sq. mi.

CENTRAL VALLEY REGION

CENTRAL VALLEY REGION

Introduction

The Central Valley Region covers the same portion of Central California as the Central Valley Water Pollution Control Region 5, and is shown on Plate 1. The Central Valley Region contains three separate physiographic areas: the Sacramento River Basin, the San Joaquin Basin, and the Sacramento-San Joaquin Delta. Most of the low-lying areas are highly developed and items of interest are adequate and timely water supply, flood stages, and maximum and minimum tides in the Delta.

Streamflow in the area results from surface runoff, snowpack melt, ground water seepage, and irrigation return flows. All of the major streams in the area have their flow controlled to some degree by reservoirs of which nearly all serve to develop a water supply, with some diverting water for use.

The 1961-62 water year was slightly below normal for the Central Valley Region. This was the first near normal year in the last four years, with the runoff about 95 percent of normal.

Tabular Information

On the following pages data are tabulated for streamflow stages, tides, diversions, and supplementary data for the 1962 water year.

TABLE 10

MONTHLY PRECIPITATION[a]

in inches

Station		1961			1962									Water Year Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
Shasta Dam	1961-62	1.25	11.49	9.48	4.35	20.77	9.11	.82	.41	.07	0	1.19	1.52	60.46
	Average[a]	3.87	5.92	9.93	10.42	10.69	6.38	4.22	2.15	1.38	.19	.16	.59	55.90
Redding Fire Station 2	1961-62	.94	7.13	7.15	2.76	10.69	3.79	.93	1.76	.23	0	.70	.73	36.81
	Average	1.96	4.07	6.73	7.41	6.30	4.79	2.76	1.63	1.01	.11	.10	.58	37.45
Red Bluff Airport	1961-62	.07	3.00	4.61	1.25	6.96	2.19	.14	.98	1.10	0	.15	.25	20.70
	Average	1.04	2.11	3.74	3.78	2.98	2.56	1.37	.87	.43	.03	.06	.44	19.41
Orland	1961-62	.12	3.10	3.42	.74	6.83	2.18	.24	.25	.24	0	.04	.18	17.34
	Average	.86	1.81	3.60	3.57	3.02	2.40	1.28	.56	.35	.02	.04	.32	17.83
Chico Experiment Station	1961-62	.26	3.55	4.12	1.29	8.34	2.76	.62	.38	.34	0	.04	.05	21.75
	Average	1.20	2.62	4.96	5.02	4.38	3.29	1.91	1.03	.44	.02	.05	.40	25.32
Colusa 1 SSW	1961-62	.25	2.43	2.67	.71	6.85	1.77	.10	.09	.09	0	.01	.02	14.99
	Average	.68	1.64	3.14	3.06	2.73	2.13	1.02	.50	.21	.01	.02	.23	15.37
Marysville	1961-62	.17	2.92	2.69	.84	7.24	2.32	.37	.16	0	0	T	.08	16.79
	Average	.94	2.16	3.99	4.05	3.63	2.88	1.42	.76	.24	.00	.02	.23	20.32
Woodland 1 WNW	1961-62	.10	2.59	2.70	.70	5.56	1.56	.09	.03	0	0	0	T	13.33
	Average	.67	1.56	3.24	3.54	2.96	2.21	1.11	.49	.17	.00	.01	.20	16.16
Folsom Dam	1961-62	.27	2.37	2.25	1.95	9.38	2.17	.71	.07	.01	.02	.20	.03	19.43
	Average	1.02	2.30	4.24	5.04	4.34	3.57	1.76	.84	.25	.01	.01	.25	23.63
Sacramento City	1961-62	.03	2.61	1.79	.95	7.50	1.84	.19	.06	.01	0	.13	.11	15.22
	Average	.79	1.67	3.48	3.87	3.31	2.59	1.32	.59	.19	.00	.02	.22	18.05
Davis 1 WSW	1961-62	.06	2.47	2.49	.93	7.12	1.77	.05	.04	0	0	T	.03	14.96
	Average	.65	1.50	3.29	3.67	3.00	2.28	1.14	.49	.16	.00	.01	.18	16.37
Rio Vista	1961-62	.08	3.03	.86	1.07	7.60	1.59	.05	0	0	0	0	0	14.28
	Average	.60	1.40	2.97	3.29	2.69	2.19	1.03	.43	.14	.00	.01	.18	14.93
Lodi	1961-62	.06	2.54	.71	1.09	6.31	1.00	.40	.04	0	.02	T	T	12.17
	Average	.79	1.50	3.14	3.39	2.74	2.43	1.20	.58	.13	.00	.00	.19	16.09
Antioch Pump Plant 3	1961-62	.04	2.33	1.11	.59	6.08	.92	.02	0	0	0	.05	0	11.14
	Average	.51	1.15	2.62	2.79	2.23	1.81	.78	.36	.11	.01	.01	.21	12.59
Stockton Fire Station 4	1961-62	T	2.13	1.28	1.31	6.26	1.17	.42	.20	0	T	.02	T	12.79
	Average	.60	1.31	2.68	3.03	2.33	2.11	.99	.53	.12	.01	.00	.20	13.91
Tracy Carbona	1961-62	0	1.78	.77	.70	5.08	.58	T	T	0	0	0	0	8.91
	Average	.39	.78	1.65	1.81	1.46	1.37	.66	.41	.10	.00	.00	.13	8.76
Modesto	1961-62	.01	2.21	.69	1.23	5.86	1.32	.01	.04	T	0	0	T	11.38
	Average	.50	1.02	2.31	2.29	1.99	1.97	.93	.45	.11	.01	.02	.16	11.76
Merced Fire Station 2	1961-62	0	2.38	1.57	1.35	5.80	1.30	.08	.02	0	.02	0	T	12.52
	Average	.47	1.15	2.03	2.46	2.12	1.99	1.03	.44	.08	.01	.01	.12	11.91
Los Banos	1961-62	.01	1.49	1.22	1.47	5.26	.74	0	0	0	0	0	0	10.20
	Average	.36	.83	1.56	1.80	1.43	1.44	.73	.30	.05	.01	.01	.10	8.64
Fresno Airport	1961-62	T	1.60	1.32	1.12	5.97	1.04	.02	.20	T	T	0	T	11.27
	Average	.51	.80	1.63	1.90	1.61	1.68	.87	.32	.11	.01	.01	.08	9.53

a 1961-62 water year records from U. S. Weather Bureau. Average precipitation computed from the 50-year period 1909-59.

T Trace.

TABLE 11

MONTHLY UNIMPAIRED RUNOFF AT MAJOR STATIONS

In percent of average*

Month		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill
October 1961	Percent	8[illegible]	1[illegible]3	[illegible]1	[illegible]	[illegible]1	47	[illegible]
	Average*	472	275	418	[illegible]3	28	[illegible]2	[illegible]
November 1961	Percent	69	104	76	5[illegible]	27	18	16
	Average	851	409	727	104	79	[illegible]	1[illegible]
December 1961	Percent	72	110	79	51	[illegible]3	30	3
	Average	1677	7[illegible]4	1421	329	171	1[illegible]	33
January 1962	Percent	33	43	34	30	23	17	1
	Average	[illegible]428	1112	2073	446	239	276	4[illegible]
February 1962	Percent	147	147	144	132	159	135	117
	Average	2817	1263	2372	526	273	310	55
March 1962	Percent	80	96	82	6[illegible]	76	67	[illegible]2
	Average	3058	1141	2442	621	309	371	79
April 1962	Percent	11[illegible]	77	99	111	113	117	136
	Average	3675	1000	265[illegible]	782	402	474	132
May 1962	Percent	83	79	80	83	82	78	82
	Average	4007	714	2393	700	441	538	198
June 1962	Percent	103	84	87	92	89	86	107
	Average	2596	456	1330	344	229	301	131
July 1962	Percent	93	86	82	89	77	56	71
	Average	1008	319	604	156	57	72	23
August 1962	Percent	92	96	91	89	108	23	95
	Average	497	261	406	103	24	18	4
September 1962	Percent	89	98	91	88	62	23	40
	Average	410	250	370	86	21	13	2
1961-62 Water Year	Percent	91	94	88	84	85	78	88
	Average	23496	7954	17214	4350	2273	2637	722

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1907 through September 1957.

a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE 11

MONTHLY UNIMPAIRED RUNOFF AT MAJOR STATIONS

In percent of average*

Month		Stanislaus River below Melones P. H.	Tuolumne River near La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (a)	Kings River Inflow to Pine Flat	Kaweah River near Three Rivers	Tule River Inflow to Success	Kern River Inflow to Isabella
October	Percent	21	25	17	50	33	42	29	0	50
	Average*	8	15	7	20	50	19	4	1	14
November	Percent	24	22	20	53	30	45	28	0	49
	Average	23	39	18	28	108	26	8	4	18
December	Percent	21	31	26	40	30	46	27	18	42
	Average	47	78	40	58	223	48	17	9	26
January	Percent	15	23	18	32	22	32	29	20	45
	Average	68	108	60	74	310	63	22	13	27
February	Percent	116	173	200	201	173	189	170	107	142
	Average	84	135	79	92	390	80	28	20	33
March	Percent	61	78	74	81	74	75	68	45	65
	Average	122	180	99	136	537	115	40	27	49
April	Percent	134	136	133	156	141	165	152	90	159
	Average	206	286	149	244	885	219	63	24	88
May	Percent	83	83	84	92	86	96	97	58	88
	Average	294	447	245	430	1416	431	102	22	148
June	Percent	107	123	112	129	120	134	118	64	124
	Average	189	372	182	392	1135	389	77	10	126
July	Percent	106	89	109	125	109	123	101	45	131
	Average	53	115	50	163	381	155	24	2	58
August	Percent	82	79	79	113	97	105	85	120	103
	Average	12	19	10	46	87	44	6	1	24
September	Percent	68	34	0	101	70	84	80	50	94
	Average	5	9	4	20	38	19	3	0.3	14
1961-62 Water Year	Percent	89	98	98	113	101	115	103	60	106
	Average	1111	1803	943	1703	5560	1607	394	133	624

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1907 through September 1957.

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE 12

ANNUAL UNIMPAIRED RUNOFF AT MAJOR STATIONS

In percent of average *

Water Year	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill
Average Annual Runoff*	23496	7954	17214	4350	2273	2637	722
1921-22	113	84	105	117	131	129	128
1922-23	83	67	77	71	91	104	98
1923-24	32	41	34	29	27	21	26
1924-25	95	101	94	72	93	103	116
1925-26	66	71	69	73	70	52	62
1926-27	134	138	139	134	150	139	124
1927-28	93	96	98	97	107	90	89
1928-29	49	56	49	43	44	43	48
1929-30	74	77	78	89	80	63	64
1930-31	34	41	36	33	29	27	29
1931-32	87	64	76	75	93	93	113
1932-33	54	58	52	44	47	48	59
1933-34	48	57	50	47	44	42	41
1934-35	101	94	97	97	99	98	97
1935-36	105	89	101	98	114	129	124
1936-37	88	75	77	72	82	88	96
1937-38	188	184	184	196	178	171	172
1938-39	49	55	48	43	40	40	47
1939-40	127	132	130	129	126	130	119
1940-41	153	180	158	149	141	119	117
1941-42	143	142	146	152	150	148	137
1942-43	125	107	123	129	138	147	130
1943-44	62	59	60	64	61	56	62
1944-45	95	83	87	86	93	96	108
1945-46	102	101	102	95	105	109	103
1946-47	60	64	60	58	60	54	55
1947-48	88	96	91	88	89	85	88
1948-49	69	76	69	60	65	70	71
1949-50	85	72	83	88	98	101	104
1950-51	134	114	133	130	156	176	167
1951-52	168	145	166	182	182	182	183
1952-53	106	121	117	119	112	101	94
1953-54	94	116	102	96	85	76	73
1954-55	63	71	64	57	56	60	61
1955-56	175	166	174	163	175	177	173
1956-57	82	90	86	83	86	82	83
1957-58	166	190	173	160	155	155	147
1958-59	66	85	70	65	55	47	52
1959-60	70	81	76	74	75	64	68
1960-61	61	98	70	61	59	40	41
1961-62	91	94	88	82	85	78	88

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1907 through September 1957.
a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

TABLE 12 (Continued)

ANNUAL UNIMPAIRED RUNOFF

In percent of average*

Water Year	Stanislaus River below Melones P. H.	Tuolumne River near La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (a)	Kings River Inflow to Pine Flat	Kaweah River near Three Rivers	Tule River Inflow to Success	Kern River Inflow to Isabella
Average Annual Runoff*	1111	1803	943	1703	5560	1607	394	133	624
1921-22	128	138	152	139	139	137	117		
1922-23	101	99	100	97	99	97	92		
1923-24	23	30	27	26	27	24	26		
1924-25	111	107	97	85	99	80	82		
1925-26	54	62	64	68	63	65	56		
1926-27	123	114	115	118	117	123	123		
1927-28	86	84	78	68	79	60	52		
1928-29	46	55	52	52	52	53	57		
1929-30	66	64	54	52	59	54	55	-	53
1930-31	28	33	28	29	30	29	29	19	29
1931-32	122	117	118	121	119	130	132	104	112
1932-33	54	62	55	65	60	73	72	60	68
1933-34	39	45	38	41	41	41	33	15	37
1934-35	110	117	125	114	116	101	91	67	73
1935-36	119	120	123	110	117	117	124	129	120
1936-37	100	111	129	129	117	146	172	230	178
1937-38	184	190	220	216	202	204	221	267	206
1938-39	47	55	51	55	53	61	63	62	72
1939-40	126	123	116	112	119	111	130	159	111
1940-41	120	139	154	155	143	158	163	177	200
1941-42	134	132	136	133	133	125	125	102	120
1942-43	141	132	137	120	130	126	170	274	161
1943-44	61	73	73	70	69	73	80	77	93
1944-45	115	116	116	125	119	128	140	153	129
1945-46	106	105	100	102	104	100	90	71	104
1946-47	57	61	60	66	61	69	67	39	68
1947-48	80	78	73	71	76	62	66	48	53
1948-49	67	70	67	68	68	60	56	37	47
1949-50	97	86	76	77	84	80	76	47	70
1950-51	152	138	129	109	130	100	107	116	85
1951-52	172	170	166	179	173	178	209	241	223
1952-53	87	85	65	69	78	72	78	74	87
1953-54	80	80	71	75	77	81	78	67	81
1954-55	62	63	56	68	63	69	70	49	57
1955-56	169	183	179	179	177	158	184	157	140
1956-57	78	79	69	81	78	78	75	49	70
1957-58	151	147	150	155	150	153	16[illegible]	168	169
1958-59	53	5[illegible]	48	56	54	50	39	[illegible]4	43
1959-60	54	59	51	43	53	44	46	36	45
1960-61	35	40	33	38	37	[illegible]	[illegible]0	14	28
1961-62	[illegible]9	98	98	113	101	115	1[illegible]	6[illegible]	106

* Average unimpaired runoff in thousands of acre-feet computed from the 30-year period October 1907 through September 1957.

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

TABLE 13

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA

In thousands of acre-feet

Item	Record in Table No.	1961			1962									Water Year Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	54	436	491	965	648	2388	2324	1680	1214	774	630	710	721	12980
Sacramento Weir Spill to Yolo Bypass	55	0	0	0	0	5	0	0	0	0	0	0	0	5
Yolo Bypass near Woodland		0	0	15	1	839	159	6	4	*	1	1	3	1031
South Fork Putah Creek near Davis	46	0	0	0	0	9	3	1	1	1	0	0	0	16
Morrison Creek near Sacramento		0	1	1	0	8	1	0	0	0	0	0	0	13
Cosumnes River at McConnell		0	0	1	2	98	47	49	22	6	0	0	0	224
Dry Creek near Galt		0	0	0	0	32	15	1	0	0	0	0	0	48
Mokelumne River at Woodbridge		2	2	5	3	15	38	26	23	70	15	15	4	219
Bear Creek near Lockeford		0	0	0	0	5	1	0	0	0	0	0	0	6
Calaveras River near Stockton	17	0	0	0	0	7	3	0	0	1	0	0	0	12
Stockton Diverting Canal at Stockton	19	0	0	0	0	67	19	0	0	0	0	0	0	87
Duck Creek near Stockton	56	0	0	0	0	2	0	0	0	0	0	0	0	3
French Camp Slough near French Camp	58	0	0	0	0	36	9	2	2	1	1	1	2	54
San Joaquin River near Vernalis	60	25	35	44	49	321	365	124	161	208	53	43	59	1487
Precipitation (a)		1	139	67	55	388	70	8	4	0	0	1	1	734
Total Water Supply		464	668	1098	758	4220	3054	1897	1431	1064	700	771	790	16919
WATER UTILIZATION														
Consumptive Use in Delta Lowlands (b)		106	49	36	26	31	46	101	147	166	224	240	179	1351
Exportations														
Delta-Mendota Canal	66	81	35	12	21	11	53	160	177	218	251	219	119	1356
Contra Costa Canal	65	7	6	4	4	3	3	4	5	8	9	10	8	72
City of Vallejo		1	1	1	1	1	1	1	1	1	2	2	1	13
Delta Uplands Diversions														
Old River	78	6	0	0	0	0	0	15	23	23	26	25	16	135
Tom Paine Slough	78	1	0	1	1	0	1	3	3	4	4	4	2	22
French Camp Slough below French Camp	78	0	0	0	0	0	0	0	0	0	1	1	1	3
San Joaquin R. (Stockton to Vernalis)	79	2	1	0	1	0	1	15	15	17	19	17	11	99
Sacramento River below Sacramento	80	0	0	0	0	0	0	0	0	0	0	0	0	1
Yolo Bypasa (West Cut)	80	4	1	1	0	0	0	2	7	9	12	10	6	53
Calaveras River below Stockton	81	0	0	0	0	0	0	0	0	0	0	0	0	0
Mokelumne River below Woodbridge	81	0	0	0	0	0	0	1	2	2	2	2	1	10
Coaumnea River below McConnell	81	0	0	0	0	0	0	1	1	1	1	1	0	6
Putah Creek below Davis	81	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous	82	9	4	1	0	0	0	9	14	16	17	17	13	100
Total Water Utilization		217	97	56	54	46	105	312	395	465	568	548	357	3221

a Water supply from precipitation has been computed using weighted monthly mean rainfall and the acreage of the Delta Service Area.
b Consumptive use in the Delta Lowlands has been computed using monthly unit consumptive use factors for classified vegetation and evaporation, and acreage data obtained through the land use surveys of 1952 and 1955.

TABLE 14

GAGING STATION
ADDITIONS and DISCONTINUATIONS

CENTRAL VALLEY REGION

ADDITIONAL STATIONS

Bloody Run Creek near North San Juan
Frenchman Creek near Chilcoot
Grizzly Creek near North San Juan
Little Last Chance Creek above Frenchman Dam
Little Last Chance Creek below Frenchman Dam
Chowchilla River near Raymond
Fresno River, Lewis Fork near Oakhurst
Mariposa Bypass near Crane Ranch
Merced River near Livingston
San Joaquin River above Sand Slough near El Nido
San Joaquin River near Stevinson
Tuolumne River at La Grange Bridge

DISCONTINUED STATIONS

Auburn Ravine at Lincoln
Coon Creek at Highway 99E
Lights Creek near Taylorsville
South San Joaquin I. D. Main Drain at French Camp
Spring Creek near Keswick

PUBLICATION OF STAGE DISCONTINUED

Sacramento River at Pritchard Lake
Sacramento River at Second Bannon Slough
Sacramento River at Butte Slough Outfall Gates
West Valley Reservoir near Likely

TABLE 15

DAILY MEAN DISCHARGE

SACRAMENTO RIVER NEAR MT. SHASTA

IN SECOND FEET

STATION NO	WATER YEAR
A21600	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	52	70	319	115	107	140 E	600 E	489	477	90	49	41	1
2	53	71	218	115	112	135 E	660 E	585	479	90	49	42	2
3	54	69	153	116	118	125 E	690 E	703	436	89	49	43	3
4	52	70	132	115	120	130 E	720 E	728	361	85	51	42	4
5	52	69	126	112	122	140 E	820 E	708	316	83	52	42	5
6	54	70	118	119	143	160 E	900 E	751	306	76	53	40	6
7	55	68	110	141	315	160 E	1000 E	779	310	74	61	42	7
8	54	67	109	159	753	150 E	1060 E	908	323	74	82	46	8
9	56	65	101	157 *	999	140 E	940 E	813	358	75	100	48	9
10	61 *	64	101	145	649	145 E	760 E	714	354	70	78	49	10
11	69	67	94	133	392	140 E	720 E	610	315 *	70	71	49	11
12	68	66	103	133	464	135 E	880 E	532	296	67	64	47	12
13	64	63 *	98 *	127	605 *	135 E	1000 E	480	265	68	57	47 *	13
14	63	65	97	114	478 *	135 E	1200 E	425	234	66	50	49	14
15	59	67	97	117	768	140 E	1200 E	406	217	63	48	47	15
16	60	56	96	105	556	145 E	1000 E	409 *	212	63	49	49	16
17	61	66	100	109	378	145 E	920 E	457	199	61 *	48	51	17
18	60	69	98	110	316	150 E	940 #	522	187	57	48	46 *	18
19	61	71	142	117	267	165 E	799	480	179	56	48	47	19
20	62	72	347	110	234	190 E	611	416	168	55	49	47	20
21	63	70	344	126	210	200 E	552	382	159	57	45	49	21
22	63	73	202	208	190 E	210 E	602	408	151	56	44	47	22
23	62	98	163	100	185 E	200 E	724	413	140	57	43	47	23
24	63	188	148	94	180 E	190 E	826	378	129	54	41	48	24
25	63	128	142	95	160 E	200 E	732	344	125	55	41	50	25
26	65	219	130	96	150 E	220 E	632 *	337	119	51	42	51	26
27	98	215	126	96	145 E	280 #	741	383	112	47	42	52	27
28	91	159	120	99	145 E	370	640	422	106	47	43	77	28
29	75	201	120	105		381	485	469	101	49	41	80	29
30	70	283	117	104		470 E	441	488	94	51	42	67	30
31	69		114	106		540 E		475		53	41		31
MEAN	63.0	99.6	145	119	331	199	793	530	241	64.8	52.3	49.4	MEAN
MAX.	98.0	283	347	208	999	540 E	1200 E	908	479	90.0	100	80.0	MAX.
MIN.	52.0	63.0	94.0	94.0	107	125 E	441	337	94.0	47.0	41.0	40.0	MIN.
AC. FT.	3872	5929	8896	7335	18370	12250	47200	32560	14340	3985	3215	2940	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
222	NR					NR					160900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 16 00	122 18 38	SE33 40N 4W	33800	6.94	2/11/61	APR 59 - DATE	APR 59 - DATE	1959			LOCAL

Station located 1.5 mi. SW of junction of State Highway 89 and U. S. Highway 99, 3 mi. S. of Mount Shasta.

TABLE 16

DAILY MEAN DISCHARGE

WILLOW CREEK NEAR WILLOW RANCH

IN SECOND FEET

STATION NO	WATER YEAR
A13069	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	0.5	1.6	1.1E	1.0E	4.5E	22 E	18	11	1.5	0.4	0.0	1
2	0.3	0.5	2.7	1.2E	1.1E	4.9E	24 E	15	9.8	1.3	0.2	0.0	2
3	0.1	0.4	2.0	1.2#	1.0E	5.2E	24 E	15	9.4	1.2	0.3	0.0	3
4	0.1	0.6	1.9	1.5	0.8E	5.2E	28 E	15	9.8	1.2	0.6	0.0	4
5	0.5	0.6	0.9E	1.4	1.0E	5.2E	29 E	14	9.6	1.0	0.4	0.0	5
6	0.2	0.5	1.0E	1.1E	1.2E	5.1E	30 E	13	8.8*	0.9	0.4	0.0	6
7	0.2	0.3*	1.3E	1.1E	1.5E	5.2E	34	14	8.5	0.8	0.3	0.0	7
8	0.3	0.4	1.3E	1.1E	1.2E	5.6E	35	14	7.8	0.8	0.4	0.1	8
9	0.2	0.4	1.2E	1.1E	1.3E	5.6E	34	14 *	7.1	0.7	0.5	0.0	9
10	0.2	0.3	1.3E	1.2E	1.5E	6.0E	30	11	6.8	0.6	0.6	0.0	10
11	0.2	0.4	1.2E	1.1E	1.5E	6.0E	31 *	11	6.5	0.5*	0.3	0.1	11
12	0.3	0.6	1.5E	1.0E	1.2E	6.0E	26	9.6	5.6	0.8	0.3	0.3	12
13	0.5	0.6	1.3E	1.0E	1.1E	6.0E	25	9.7	5.3	0.8	0.3	0.3	13
14	0.3	0.7	1.5E	1.1E	1.1E	5.8#	22	10	5.7	0.6	0.2	0.3	14
15	0.2	0.5	1.3E	1.2E	1.8E	6.2E	22	9.7	6.8	0.6	0.2	0.3	15
16	0.2	1.8	1.2E	1.1E	1.9E	6.8E	22	12	5.1	0.6	0.1	0.2	16
17	0.3	1.6	1.1E	0.8E	2.3E	8.0E	21	9.7	4.4	0.5	0.2	0.2	17
18	0.2	0.9	1.3E	1.0E	2.6E	7.8E	22	14	3.5	0.4	0.2	0.3	18
19	0.3	1.8	1.3E	1.0E	2.6E	8.9E	21	19	3.3	0.4	0.2	0.3	19
20	0.2	0.8	1.5E	1.0E	2.8E	10 E	23	21	2.7	0.4	0.2	0.3	20
21	0.4	1.0	1.5E	1.0E	3.3E	11 E	21	17	2.4	0.5	0.3	0.4	21
22	0.5	0.5	1.5E	1.1E	3.7E	12 E	19	12	2.2	0.4	0.1	0.4	22
23	0.4	0.8	1.3E	1.1E	3.9E	12 E	19	18	2.1	0.3	0.0	0.4	23
24	0.6	0.6	1.2E	1.0E	3.9E	14 E	19	16	2.2	0.4	0.1	0.4	24
25	0.3	1.9	1.2E	1.1E	3.9E	15 E	18	35	1.9	0.4	0.1	0.3	25
26	0.4	1.6	1.3E	1.1E	3.9E	15 E	17	22	1.9	0.4	0.0	0.4	26
27	1.7	1.2	1.3E	1.1E	4.4E	16 E	19	17	1.8	0.4	0.0	0.5	27
28	1.3	1.8	1.3E	1.1E	4.7E	17 E	21	15	1.8	0.4	0.0	0.7	28
29	0.6	0.9	1.5E	0.8E		19 E	19	15	1.6	0.4	0.0	0.9	29
30	0.4	1.0	1.3E	0.8E		20 E	17	14	1.3	0.5	0.0	0.5	30
31	0.6		1.1E	1.0E		21 E		12		0.5	0.0		31
MEAN	0.4	0.9	1.4	1.1	2.2	9.5	23.8	14.9	5.2	0.7	0.2	0.3	MEAN
MAX.	1.7	1.9	2.7	1.5	4.7E	21.0E	35.0	35.0	11.0	1.5	0.6	0.9	MAX.
MIN.	0.1	0.3	0.9E	0.8E	0.8E	4.5E	17.0	9.6	1.3	0.3	0.0	0.0	MIN.
AC. FT.	24	51	85	66	123	587	1416	916	311	40	14	15	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5.0	50.0	1.14	5	25	1100	0.0		10	3	1930	3649

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 53 23	120 18 57	NE26 47N 14E	50	1.14	5/25/62	JUN 61-DATE	JUN 61-DATE			0.00	LOCAL

Station located approximately 2.4 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship at times affected by ice.

TABLE 17

DAILY MEAN DISCHARGE

LASSEN CREEK NEAR WILLOW RANCH

IN SECOND FEET

STATION NO.	WATER YEAR
A13060	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	1.9	2.3	1.7E	1.9E	1.3E	19	33	30	5.5	2.4	0.7	1
2	0.8	1.6	2.6	1.8E	1.8E	1.3E	19	29	27	5.3	2.2	0.7	2
3	0.8	1.9	2.1	1.7#	1.8E	1.3E	21	28	25	5.3	2.2	1.1	3
4	0.8	1.6	1.4E	1.6E	1.8E	1.4E	24	28	24	5.0	2.6	0.9	4
5	0.8	1.5	2.2#	1.6E	1.8E	1.3E	34	27	23	4.9	2.4	1.0	5
6	0.9	1.7	1.6E	1.6E	1.9E	1.2E	41	26	22 *	4.8	2.2	0.7	6
7	0.9	1.8#	2.1E	1.6E	2.0E	1.1E	84 E	26	19	4.3	2.2	0.7	7
8	1.1	1.0E	2.1E	1.6E	2.0E	1.1E	90 E	24	18	4.2	2.1*	0.7	8
9	1.0	0.9E	2.0E	1.6E	2.0E	1.1E	79 E	23 *	17	4.1	2.5	0.8	9
10	1.3	1.1E	2.1E	1.6E	2.0E	1.0E	64	21	16	4.2	2.7	0.8	10
11	1.1	1.0E	2.2E	1.6E	1.9E	1.0E	68 *	20	15	3.8*	2.3	0.7*	11
12	2.0	0.8E	2.1E	1.7E	1.9E	1.0E	84 E	19	15	3.7	1.9	0.8	12
13	1.6	0.9E	1.9E	1.8E	1.9E	1.0E	91 E	19	14	3.7	1.8	0.7	13
14	1.5	0.8E	1.9E	1.8E	1.9E	1.3#	109 E	18	14	3.6	1.7	0.8	14
15	1.3	0.5E	1.9E	1.9E	1.8E	2.3E	115 E	15	14	3.6	1.4	0.9	15
16	1.3	0.7E	1.9E	1.9E	1.7E	2.7	100 E	20	13	3.5	1.5	0.8	16
17	1.2	0.9E	1.9E	1.8E	1.7E	3.6E	90	16	12	3.5	1.4	0.7	17
18	1.2	1.0E	1.9E	1.8E	1.6E	4.3E	82	19	10	3.0	1.4	0.7	18
19	1.3	1.7E	1.9E	1.8E	1.7E	4.9	78	20	9.6	3.1	1.3	0.6	19
20	1.3	1.8E	1.9E	1.8E	1.7E	5.8	71	21	9.1	3.0	1.3	0.7	20
21	1.7	2.6	1.9E	1.8E	1.6E	4.4	58	23	8.9	3.0	1.4	0.8	21
22	1.6	2.6	1.8E	1.9E	1.5E	4.0	54	24	8.4	2.9	1.3	0.8	22
23	1.7	4.3	1.8E	1.9E	1.5E	4.4	53	29	8.3	2.9	1.2	0.8	23
24	1.6	3.3	1.9E	1.8E	1.5E	6.1	49	35	8.0	2.7	1.2	0.7	24
25	1.6	2.2E	1.9E	1.8E	1.5E	11	46	47	6.7	2.8	1.2	0.7	25
26	1.6	2.1	1.9E	1.8E	1.5E	16	43	46	6.6	2.5	1.1	0.7	26
27	2.9	2.1	1.8E	1.9E	1.5E	21	43	42	6.5	2.4	1.1	1.0	27
28	2.6	1.7	1.6E	1.8E	1.5E	18	44	40	6.6	2.4	0.9	1.2	28
29	2.1	1.8	1.6E	1.7E		14	38	37	6.4	2.4	0.9	1.3	29
30	2.1	1.9	1.6E	1.7E		14	33	36	6.3	2.3	1.0	1.0	30
31	1.9		1.6E	1.8E		17		33		2.2	1.1		31
MEAN	1.4	1.7	1.9	1.7	1.7	5.5	60.8	27.2	14.0	3.6	1.7	0.8	MEAN
MAX.	2.9	4.3	2.6	1.9E	2.0E	21.0	115 E	47.0	30.0	5.5	2.7	1.3	MAX.
MIN.	0.8	0.5E	1.4E	1.6E	1.5E	1.0E	19.0	15.0	6.3	2.2	0.9	0.6	MIN.
AC. FT.	88	99	118	108	97	337	3618	1674	832	219	103	49	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10.1	178 E	3.51	4	14	1920	0.1E	1.44E	11	17	1110	7341

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 53 02	120 20 27	SE27 47N 14E	178E	3.51	4/14/62	JUN 61 - DATE	JUN 61 - DATE	1961		0.00	LOCAL

Station located at U. S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship at times affected by ice.

TABLE 18

DAILY MEAN DISCHARGE

NORTH FORK DAVIS CREEK NEAR DAVIS CREEK

IN SECOND FEET

STATION NO.	WATER YEAR
A13055	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.2	1.8	1.5	1.6E	1.8E	1.8E	3.6	6.5	10	4.8	2.6	2.4	1
2	1.3	2.0	1.6	1.6E	1.9E	1.6E	3.8	6.3	9.0	4.6	2.6	2.5	2
3	1.2	1.8	1.3E	1.7#	1.8E	1.4E	4.4	6.8	8.9	4.2	2.7	2.5	3
4	1.1	1.6	0.9E	1.9E	1.7E	1.3E	4.6	6.6	8.6	4.3	3.0	2.5	4
5	1.0	1.8E	1.6#	2.0E	1.6E	1.3E	5.2	6.2	8.0	3.9	3.1	2.5	5
6	1.3	4.7	1.7E	2.1E	1.7E	1.3E	6.2	6.0	7.3#	4.1	2.9	2.5	6
7	1.6	3.1#	1.8E	1.8E	1.7E	1.3E	9.1	5.6	6.5	4.0	2.9	2.4	7
8	1.5	0.7E	1.7E	1.7E	1.5E	1.3E	8.6	5.3	6.6	4.1	2.7*	2.2	8
9	1.6	0.8E	1.6E	1.8E	1.5E	1.3E	8.3	5.8#	6.1	3.7	3.2	2.3	9
10	1.5	0.9	1.7E	1.8E	1.5E	1.3E	7.7	5.9	6.5	3.8	2.8	2.1	10
11	1.8	0.9	1.6E	1.8E	1.5E	1.2E	7.6#	5.7	6.3	4.1*	2.7	2.2	11
12	2.1	0.9E	1.6E	1.8E	1.5E	1.2E	9.1	5.3	6.0	5.1	2.5	2.2	12
13	2.0	0.9E	1.4E	1.8E	1.5E	1.3E	9.7	5.5	6.1	3.8	2.5	2.1	13
14	1.7	1.0E	1.2E	1.8E	1.5E	1.4E	11	5.5	6.2	3.7	2.3	2.1	14
15	1.6	1.2E	1.2E	1.8E	1.5E	1.4#	12	5.2	5.9	3.3	2.2	2.1	15
16	1.7	1.5E	1.3E	1.8E	1.4E	1.2	11	5.5	5.7	3.2	2.2	1.9	16
17	1.5	1.5E	1.3E	1.7E	1.4E	1.5	9.9	5.0	5.9	3.2	2.2	1.9	17
18	1.6	1.6E	1.3E	1.8E	1.5E	1.5	9.7	6.0	5.4	2.8	2.0	2.0	18
19	1.7	1.6E	1.3E	1.8E	1.5E	1.8	11	5.8	5.2	2.8	2.2	2.0	19
20	1.9	1.6E	1.3E	1.8E	1.5E	1.8	10	6.0	5.1	2.8	2.3	2.0	20
21	2.1	1.6E	1.4E	1.7E	1.8E	1.6	9.6	6.4	4.7	2.7	2.3	2.0	21
22	1.9	1.8E	1.6E	1.6E	1.9E	1.7	9.4	6.7	4.5	2.7	2.5	1.9	22
23	1.9	1.8E	1.7E	1.6E	2.0E	1.3	9.7	7.8	5.2	2.5	2.2	2.0	23
24	1.6	1.6E	1.6E	1.6E	2.0E	1.3	10	8.1	6.1	2.6	2.2	2.0	24
25	1.4	1.2	1.5E	1.7E	2.1E	2.1	9.9	11	6.1	2.5	2.3	1.9	25
26	1.7	0.8	1.5E	1.7E	2.1E	2.6	8.8	13	6.1	2.5	2.2	2.0*	26
27	1.9	1.4	1.4E	1.7E	2.0E	3.5	8.8	12	5.8	2.6	2.3	2.2	27
28	1.8	1.1E	1.5E	1.8E	1.9E	2.9	8.0	12	5.7	2.3	2.2	2.2	28
29	2.9	1.3	1.5E	1.8E		2.7	7.3	12	5.5	2.2	2.4	2.2	29
30	1.4	1.4	1.6E	1.8E		3.1	6.4	11	4.9	2.2	2.4	2.0	30
31	1.4		1.6E	1.8E		3.0		11		2.3	2.3		31
MEAN	1.6	1.5	1.5	1.8	1.7	1.7	8.3	7.3	6.3	3.3	2.5	2.2	MEAN
MAX.	2.9	4.7	1.8E	2.1E	2.1E	3.5	12.0	13.0	10.0	5.1	3.2	2.5	MAX.
MIN.	1.0	0.7E	0.9E	1.6E	1.4E	1.2E	3.6	5.0	4.5	2.2	2.0	1.9	MIN.
AC. FT.	101	91	91	108	94	107	497	451	377	205	153	129	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
\# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
3.3	18.0	2.11	11	6	0850	0.0		9	26	0000	2403

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 44 17	120 20 19	SE27 45N 14E	18	2.11	11/6/61	JUN 61 - DATE	JUN 61 - DATE	1961		0.00	LOCAL

Station located approximately 2.1 mi. E. of Davis Creek. Tributary to Goose Lake via Davis Creek. Stage-discharge relationship at times affected by ice.

TABLE 19

DAILY MEAN DISCHARGE

PINE CREEK NEAR ALTURAS

IN SECOND FEET

STATION NO	WATER YEAR
A14100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.7	8.8	12	5.6	3.4E	2.5E	16	24	45	28	11	7.7	1
2	5.9	8.6	13	4.4E	2.9E	2.2E	17	26	48	27	11	7.2	2
3	6.0	9.3	12	4.4	3.2E	2.5E	16	29	52	26	11	7.3	3
4	8.9	9.6	12	2.7E	3.4E	2.7E	18	32	54	25	13	7.5	4
5	7.0	8.1	12	4.0E	3.4E	1.4E	19	30	52	24	13	8.6	5
6	6.6	8.8	5.3E	1.9	3.7E	4.1	20	30	49	23	13	8.3	6
7	7.1	10	24	1.8	3.4E	3.3	22	29	47	22	12	5.6	7
8	7.7	5.7	14 E	1.4	7.5E	8.0	22	34	44	21	13	3.1	8
9	7.8	8.9	13 E	1.0E	21 E	7.3	22	36	44	20	15	6.7	9
10	7.7	7.3	18 E	1.0E	36	5.0	20	36	41	20	13	7.9	10
11	7.8	7.8	10 E	1.0E	16	4.0E	15	36	38	19	13	8.3	11
12	8.1	5.3	10 E	1.0E	12	1.6E	10	37	38	19	12	7.7	12
13	8.0	9.1	10 E	1.0E	16	0.9E	20	37	41	19	11	7.4	13
14	7.0	13	9.6E	1.4E	17	1.5E	22	36	43	18	10	6.8	14
15	7.3	7.8	9.9E	1.8E	15	8.8	23	33	43	19	9.9	6.8	15
16	6.4	20	9.7E	1.8E	14	14	24	31	40	18	9.7	7.7	16
17	6.3	19	5.6	1.8E	14	20	25	29	39	17	9.2	7.0	17
18	5.7	37	8.4	2.0E	8.6	26	24	33	37	16	9.3	6.9	18
19	6.4	33	8.6	2.2E	7.7	29	23	46	36	16	8.8	6.4	19
20	8.1	30	11	2.2E	7.1	26	21	58	36	15	8.3	7.5	20
21	7.8	19	9.1	2.2E	3.3E	16	19	62	36	14	7.9	7.4	21
22	6.8	14	6.3	2.5E	4.3E	14	21	44	36	14	7.2	7.8	22
23	7.7	13	7.2	2.7E	4.2E	18	24	64	35	14	7.0	7.3	23
24	7.0	11	7.7	2.7E	4.4E	19	25	45	35	13	7.2	7.4	24
25	7.0	13	6.5	2.7E	1.4E	29	24	56	33	11	6.9	6.9	25
26	8.0	13	5.3E	2.7E	2.5E	28	22	49	33	12	7.1	7.2	26
27	9.1	12	10 E	2.5E	2.7E	23	23	41	33	12	7.4	8.1	27
28	9.0	13	5.8E	2.7E	2.7E	21	25	42	32	12	7.8	9.6	28
29	8.4	13	6.2	2.7E		15	24	66	31	12	7.7	9.7	29
30	9.4	12	4.2E	2.7E		14	23	49	30	12	7.5	8.8	30
31	9.0		4.5E	2.9E		15		45		12	7.9		31
MEAN	7.4	13.3	9.7	2.4	8.6	12.3	21.0	40.2	40.0	17.7	9.9	7.4	MEAN
MAX.	9.4	37.0	24.0	5.6	36.0	29.0	25.0	66.0	54.0	28.0	15.0	9.7	MAX.
MIN.	5.7	5.3	4.2E	1.0E	1.4E	0.9E	10.0	24.0	30.0	11.0	6.9	3.1	MIN.
AC. FT.	454	789	597	146	477	759	1248	2469	2382	1091	611	442	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.8	86.0	1.29	5	20	2010	0.0		11	12	2320	11460

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 25 59	120 26 32	SW35 42N 13E	109	1.46	5/21/58	NOV 57 - DATE	NOV 57 - DATE	1957		0.00	LOCAL

Station located approximately 0.1 mi. N. of road, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationsbip at times affected by ice.

TABLE 20

DAILY MEAN DISCHARGE

SOUTH FORK PIT RIVER NEAR JESS VALLEY

IN SECOND FEET

STATION NO	WATER YEAR
A14500	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	14	18	25 E	11 E	4.2	6.0	77	143	28	11	5.4	1
2	11	12	12	24 E	11 E	4.1	5.1	86	127	25	11	5.8	2
3	9.9	13	6.2	24 E	11 E	4.4	4.4	101	124	22	11	6.0	3
4	8.5	11	4.5E	18 #	11 E	4.6	6.1	116	114	18	11	5.7	4
5	9.3	10	5.6•	9.1	11 E	4.9	9.1	125	98	17	11	5.6	5
6	8.9	18	3.2	11	11 E	9.8	12	131	81	17	11	5.4	6
7	10	21 •	4.2E	12	11 E	0.5	17	124	70 •	18	10	5.1	7
8	12	23	4.8E	11	11 E	5.5	21	118	61	17	11	4.7	8
9	14	22	11 E	12	25 E	5.3	20	108	67	16	14 •	4.7	9
10	15	23	12 E	13	6.4	4.5	15	95	78	18	13	5.5	10
11	19	22	11 E	9.5E	0.0	6.9	12 •	84	78	19	10	5.7	11
12	20	18 E	11 E	9.5E	0.0	15	17	80	81	19 •	9.8	5.6•	12
13	18	17 E	11 E	9.7E	1.3	17	28	77	81	20	10	5.5	13
14	16	17 E	11 E	10 E	0.2	14	39	76	81	19	8.9	5.3	14
15	15	18 E	11 E	9.7E	0.0	7.9•	56	66	76	19	8.6	5.5	15
16	15	15 E	11 E	9.7E	0.0	15	57	61	72	17	8.1	5.8	16
17	12	16 E	11 E	9.7E	0.0	22	67	50	67	18	8.1	5.3	17
18	11	17 E	10 E	11 E	0.5	21	71	92	65	18	7.0	5.3	18
19	13	20 E	9.3E	11 E	1.4	18	78	94	62	18	6.9	6.6	19
20	18	21 E	16 E	10 E	1.4	6.4	57	108	62	17	7.2	7.0	20
21	20	22 E	4.1	11 E	5.6	5.8	42	120	57	17	6.7	7.2	21
22	20	24	0.9	11 E	6.0	4.5	49	105	50	16	6.8	7.0	22
23	21	23	0.6	10 E	2.7	10	69	141	43	15	6.4	7.0	23
24	21	21	0.6	10 E	3.6	13	92	144	39	16	6.5	7.0	24
25	19	20	5.9	10 E	3.9	14	93	148	36	17	6.4	6.8	25
26	20	22	22 E	11 E	3.9	13	75	151	35	16	7.0	7.5	26
27	26	20	26 E	11 E	3.9	13	76	118	34	14	6.6	8.9	27
28	24	19	25 E	11 E	3.9	9.6	88	140	31	13	6.6	10	28
29	24	17	25 E	11 E		5.0	86	260	28	13	6.7	12	29
30	24	18	25 E	11 E		5.9	68	214	29	13	6.6	11	30
31	20		25 E	11 E		6.7		171		13	5.0		31
MEAN	16.3	18.5	11.4	12.2	5.6	9.4	44.5	116	69.0	17.5	8.7	6.5	MEAN
MAX.	26.0	24.0	26.0E	25.0E	25.0E	22.0	93.0	260	143	28.0	14.0	12.0	MAX.
MIN.	8.5	10.0	0.6	9.1	0.0	0.5	4.4	50.0	28.0	13.0	5.9	4.7	MIN.
AC. FT.	1001	1099	702	748	313	578	2649	7103	4106	1077	537	389	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
28.0	328	4.35	5	28	2110	NR					20300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 13 50	120 21 58	NE 9 39N 14E	588	5.17	5/12/58	OCT 57 - DATE	OCT 57 - DATE	1957		0.00	LOCAL

Station located 2.5 mi. E. of West Valley Reservoir control structure, W. of Jess Valley, 7.3 mi. E. of Likely. Stage-discharge relationship at times affected by ice. Flow listed does not include diversion 50 ft. below station to West Valley Reservoir and is not considered to have the same degree of accuracy as other records published in this report.

TABLE 21

DAILY MEAN DISCHARGE

PIT RIVER BELOW ALTURAS

IN SECOND FEET

STATION NO	WATER YEAR
A11765	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	51	87	22	NR	52	NR	NR	NR	NR	NR	NR	1
2	12	43	80	24	NR	52	NR	NR	NR	NR	NR	NR	2
3	9.5*	36	64	26	NR	65	NR	NR	NR	NR	NR	NR	3
4	12	28	47	24*	NR	49	NR	NR	NR	NR	NR	NR	4
5	13	24	47	21	NR	51	NR	NR	NR	NR	NR	NR	5
6	14	23	37*	23	NR	NR	NR	NR	NR	NR	NR	NR	6
7	17	20	33	28	NR	NR	NR	NR	NR	NR	NR	NR	7
8	16	20*	32	33	309	NR	NR	NR	NR	NR	NR	20	8
9	15	37	36	30	432	NR	NR	NR	NR	NR	NR	23	9
10	14	29	31	31	1060	NR	NR	NR	NR	NR	NR	24	10
11	14	27	31	28	647	NR	NR	NR	NR	NR	NR	24*	11
12	15	26	33	30	373	NR	NR	NR	NR	NR	NR	24	12
13	15	27	22	28	290	NR	NR	NR	NR	NR	NR	22	13
14	14	30	21	29	459	NR	NR	NR	NR	NR	NR	22	14
15	13	26	24	22	368	NR	NR	NR	NR	NR	NR	21	15
16	13	17	21	20	338	NR	NR	NR	NR	NR	NR	21	16
17	12	25	23	9.1	294	NR	NR	NR	NR	NR	NR	20	17
18	11	29	28	3.7	208	NR	NR	NR	NR	NR	NR	20	18
19	11	18	33	6.4	151	NR	NR	NR	NR	NR	NR	18	19
20	13	18	53	25	143*	NR	NR	NR	NR	NR	NR	18	20
21	13	29	80	NR	133	NR	NR	NR	NR	NR	NR	19	21
22	14	44	81	NR	113	NR	NR	NR	NR	NR	NR	19	22
23	17	40	57	NR	95	NR	NR	NR	NR	NR	NR	19	23
24	26	34	43	NR	82	NR	NR	NR	NR	NR	NR	20	24
25	28	25	37	NR	66	NR	NR	NR	NR	NR	NR	21	25
26	25	23	34	NR	55	NR	NR	NR	NR	NR	NR	22	26
27	29	37	31	NR	60	NR	NR	NR	NR	NR	NR	26	27
28	37	38	27	NR	55	NR	NR	NR	NR	NR	NR	29	28
29	43	39	27	NR		NR	NR	NR	NR	NR	NR	30	29
30	63	42	25	NR		NR	NR	NR	NR	NR	NR	36	30
31	58		24	NR		NR		NR		NR	NR		31
MEAN	20.0	30.2	40.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	63.0	51.0	87.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	9.5	17.0	21.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	1227	1795	2477	NR	NR	NR	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.&B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 28 54	120 38 25	NE13 42N 11E	2190E	13.40	2/25/58	OCT 57 - DATE	OCT 57 - DATE	1957		0.00	LOCAL

Station located at county road bridge, 5 mi. W. of Alturas. Stage-discharge relationship at times affected by temporary diversion dam approximately 3 mi. below station and also by ice. During periods of backwater affect by dam, flow listed is not considered to have the same degree of accuracy as other records published in this report. Flow is regulated by many small reservoirs.

TABLE 22

DAILY MEAN DISCHARGE

TURNER CREEK NEAR CANBY

IN SECOND FEET

STATION NO	WATER YEAR
411710	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	0.3	2.7	1.4	1.5E	5.0E	169	4.8	1.6	0.3	0.2	0.2	1
2	0.3	0.3	3.6	1.7E	1.5E	4.4E	146	4.2	1.2	0.3	0.1	0.2	2
3	0.3	0.3	2.8	2.7	1.5E	3.0E	132	3.7	1.1	0.3	0.1	0.2	3
4	0.3	0.3	2.2*	4.6E	1.5E	2.5	100	3.3	1.0	0.3	0.2	0.2	4
5	0.3	0.3	2.0	4.5E	1.5E	2.6	84	2.6	1.1*	0.3	0.2	0.2	5
6	0.4	0.3*	1.4	4.7E	1.5E	11	69	2.2	1.0	0.3	0.2	0.1	6
7	0.5	0.2	1.0	3.7E	1.5E	12	59	2.1	0.9	0.3	0.2	0.1	7
8	0.4	0.2	0.7	3.7E	16 E	17	52	1.8*	0.7	0.3	0.2	0.1	8
9	0.5	0.2	0.7	3.2E	127	20 E	42	1.8	0.8	0.3	0.2	0.1	9
10	0.4	0.2	0.7	2.9E	218	24	34 *	1.8	0.7	0.3	0.2	0.2	10
11	0.4	0.2	1.4	2.5E	147	20 E	29	1.7	0.7	0.3	0.2	0.2	11
13	0.5	0.2	1.1	2.1E	107	19 E	26	1.8	0.6	0.3	0.1	0.2	12
12	0.4	0.2	1.3	1.7	125	18 #	25	2.6	0.6	0.2	0.1	0.2	13
14	0.4	0.3	1.2	1.2	146	17 E	23	2.2	0.6	0.3	0.1	0.2	14
15	0.3	0.3	1.1	0.9	160	17 E	21	1.8	0.7	0.3	0.1	0.3	15
16	0.4	0.3	1.1	1.1	91	23	18	1.4	0.6	0.2	0.1	0.2	16
17	0.3	0.3	1.1	1.3	59	29	15	1.3	0.6	0.2	0.1	0.2	17
18	0.4	0.3	0.9	1.3	43	49	13	2.0	0.5	0.2	0.2	0.2	18
19	0.4	0.3	4.2	1.3	36	95	12	3.0	0.4	0.2	0.2	0.2	19
20	0.5	0.4	12	1.7	32	123	11	2.5	0.4	0.2	0.2	0.2	20
21	0.5	0.3	8.0E	1.6E	30 *	102	9.3	2.3	0.4	0.2	0.2	0.2	21
22	0.5	0.3	12 E	1.5E	26 E	74	7.9	1.9	0.4	0.1	0.2	0.2	22
23	0.5	0.6	7.8E	1.5E	20 E	60	6.4	4.0	0.4	0.2	0.2	0.2	23
24	0.4	0.6	6.3E	1.5E	16	54	5.7	3.0	0.4	0.2	0.2	0.2	24
25	0.4	0.8	3.2E	1.5E	10 E	114	5.2	2.4	0.3	0.2	0.2	0.2	25
26	0.5	0.7	1.7E	1.5E	8.7E	257	4.8	3.2	0.3	0.2	0.2	0.1	26
27	0.7	0.7	1.6	1.5E	6.5E	333	5.8	2.9	0.3	0.2	0.2	0.2	27
28	0.5	0.7	1.2E	1.5E	4.9	289	9.3	4.5	0.3	0.2	0.2	0.2	28
29	0.3	0.8	1.2E	1.5E		209	8.7	10	0.3	0.2	0.2	0.2	29
30	0.3	1.1	1.5E	1.5E		189	5.7	4.0	0.4	0.2	0.2	0.2	30
31	0.3		1.3E	1.5E		183		2.3		0.2	0.2		31
MEAN	0.4	0.4	2.9	2.1	51.4	76.6	38.3	2.9	0.6	0.2	0.2	0.2	MEAN
MAX.	0.7	1.1	12.0	4.7E	218	333	169	10.0	1.6	0.3	0.2	0.3	MAX.
MIN.	0.3	0.2	0.7	0.9	1.5E	2.5	4.8	1.3	0.3	0.1	0.1	0.1	MIN.
AC. FT.	25	24	177	129	2855	4712	2279	177	38	15	11	11	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
14.4	553	7.12	3	27	1940	0.1	3.43	7	17	1850	10450

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 25 53	121 00 34	SE35 42N 8E	1330E	8.45	3/7/60	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 1.4 mi. above mouth, 7.3 mi. W. of Canby. Tributary to Pit River. Stage-discharge relationship at times affected by ice.

TABLE 23

DAILY MEAN DISCHARGE

RUSH CREEK NEAR ADIN

IN SECOND FEET

STATION NO	WATER YEAR
A18400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.2	3.1	4.7	4.2	4.6	4.2	71	9.7	14	1.3	1.3	1.6	1
2	2.1	3.4	5.2	4.2	4.9	6.0	65	9.6	13	1.3	1.5	1.6	2
3	2.2	3.6	4.7	4.5	5.7	6.4	61	9.4	12	1.4	2.6	1.6	3
4	2.1	3.3	4.1*	4.4	6.2	6.0	64	9.3	11	1.4	2.4	1.7	4
5	2.0	3.3	4.2	4.2	6.4*	6.1	64	8.0	9.5*	1.3	1.3	1.7	5
6	2.3	3.3*	4.1	4.6	6.7	7.7	60	7.7	8.9	1.3	1.5	1.7	6
7	2.9	3.3E	3.9	4.3	19	8.3	62	7.5	7.7	1.2	1.5	1.8	7
8	2.7	3.4	4.2	4.3	16	9.4	58	7.8*	6.6	1.3	1.5	1.6	8
9	2.6	3.3	3.6	4.0	44	11	51	7.4	5.7	1.4	1.7	1.5	9
10	2.8	3.4	3.6	4.3	70	10	42	6.8	5.2	1.4*	2.2	1.6	10
11	3.1	3.7	3.0	4.0	29	9.3	38	6.3	4.2	1.4	2.3	1.7*	11
12	2.8	3.4	3.6	4.3	23	8.6	38	5.6	4.5	1.4	2.4	1.7	12
13	2.6	3.5	3.7	4.2	54	9.1*	37	5.6	4.4	1.6	1.9	1.7	13
14	2.3	3.7	3.8	3.3	36	11	36	5.6	4.0	1.5	1.3	1.7	14
15	2.4	3.7	3.9	4.1	38	14	34	5.6	3.7	1.4	1.3	1.5	15
16	2.3	3.1	3.8	4.0	24	14	30	5.4	3.4	1.3	1.4	1.4	16
17	2.3	3.4	3.9	4.0	18	19	26	5.2	3.4	1.4	1.4	1.4	17
18	2.4	3.6	3.9	4.2	15	28	24	5.9	3.4	1.4	1.5	1.4	18
19	2.3	3.4	4.2	4.4	14	42	24	5.9	3.3	1.5	1.5	1.4	19
20	2.9	3.7	5.1	4.2	13	37	19	5.7	3.0	1.5	1.2	1.6	20
21	3.1	3.7	6.7	3.6	12	30	16	5.6	2.9	1.5	1.2	1.7	21
22	2.9	3.6	4.7	3.4	12	26	14	5.4	2.8	1.5	1.2	1.6	22
23	2.9	4.1	4.3	3.4	11	24	14	7.8	2.8	1.6	1.2	1.6	23
24	2.7	3.8	4.3	3.2	11	26	14	7.7	2.7	2.1	1.2	1.7	24
25	2.9	3.9	4.3	2.9	8.5	59	13	8.1	3.0	1.7	1.4	1.7	25
26	3.2	3.9	4.2	3.7	7.1	75	12	8.9	2.5	1.9	1.5	1.8	26
27	3.8	3.9	4.2	4.3	5.6	99	12	8.5	1.7	2.0	1.5	1.7	27
28	3.4	3.8	4.0	4.2	3.6	83	12	11	1.3	1.8	1.6	2.0	28
29	3.2	4.0	4.2	4.3		75	12	25	1.4	1.5	1.6	2.0	29
30	2.9	4.1	4.2	4.3		70	10	18	1.4	1.5	1.6	2.0	30
31	2.9		4.2	4.3		71		15		1.5	1.6		31
MEAN	2.7	3.6	4.2	4.0	18.5	29.2	34.4	8.4	5.1	1.5	1.6	1.7	MEAN
MAX.	3.8	4.1	6.7	4.6	70.0	99.0	71.0	25.0	14.0	2.1	2.6	2.0	MAX.
MIN.	2.0	3.1	3.0	2.9	3.6	4.2	10.0	5.2	1.3	1.2	1.2	1.4	MIN.
AC. FT.	165	213	259	249	1028	1795	2049	518	304	92	98	99	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9.5	186	3.58	3	27	1700	0.6	2.16	7	4	1830	6867

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 15 47	120 53 31	NW36 40N 9E	752E	5.74	2/24/58	NOV 57-DATE	NOV 57-DATE	1957		4365.27	USCGS

Station located at U. S. Highway 299 bridge, 5.4 mi. NE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

TABLE 24

DAILY MEAN DISCHARGE

ASH CREEK AT AOIN

IN SECOND FEET

STATION NO	WATER YEAR
A18350	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20	26	35	30	30	31	231	78	62	11	22	11	1
2	20	26	40	29	30	27	342	67	54	11	23	11	2
3	25 *	26	37	28	31	29	238	59	50	11	23	6.7	3
4	19	26	30 *	28	33	29	202	55	45	12	24	5.7	4
5	19	24	28	28	37 *	33	192	48	41 *	12	25	10	5
6	19	23 *	27	28	40	80	175	46	33	12	23	11	6
7	19	24	26	28	96	93	169	42	26	11	22 *	2.6	7
8	21	24	27	28	143	123	167	37 *	24	9.4	22	7.8	8
9	23	25	23	28	350	108	155	38	19	9.8	23	13	9
10	21	24	23	27	583	75	129 *	33	18	13 *	24	15	10
11	23	25	19	24	214	64	116	27	15	15	23	17 *	11
12	22 *	25	28	28	157	56	106	24	13	16	21	16	12
13	20	25	31	25	292	64 *	105	38	14	15	21	16	13
14	19	24	28	19	190	105	103	43	15	16	21	14	14
15	18	25	27	23	217	114	113	30	16	16	20	12	15
16	18	19	27	23	158	113	113	28	16	17	20	14	16
17	18	20	27	27	128	129	106	23	13	17	20	14	17
18	19	26	27	30	96	140	104	28	13	17	19	13	18
19	19	43	28	29	93	167	101	53	13	16	17	13	19
20	23	32	39	27	88	201	91	48	11	19	18	14	20
21	26	30	106	15	85	150	79	47	9.7	23	20	15	21
22	24	30	45	10	67	194	79	42	11	19	20	15	22
23	23	34	36	18	62	189	78	62	11	25	20	15	23
24	22	37	34	24	54	155	83	63	9.7	22	18	13	24
25	22	34	34	25	41	226	74	64	10	33	13	12	25
26	23	33	32	28	26	300	61	79	10	32	7.5	11	26
27	34	31	31	24	26	352	61	63	11	26	2.6	15	27
28	44	28	31	29	32	336	92	73	10	27	3.3	22	28
29	31	28	31	30		243	89	183	9.6	26	3.5	22	29
30	28	33	31	25		208	79	88 *	10	22	9.8	20	30
31	27		31	25		197		74		23	12		31
MEAN	22.9	27.7	32.9	25.5	121	140	128	54.3	20.4	17.9	18.1	13.2	MEAN
MAX.	44.0	43.0	106	30.0	583	352	342	183	62.0	33.0	25.0	22.0	MAX.
MIN.	18.0	19.0	19.0	10.0	26.0	27.0	61.0	23.0	9.6	9.4	2.6	2.6	MIN.
AC. FT.	1406	1646	2021	1567	6742	8590	7603	3338	1216	1099	1112	787	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
51.3	812	9.2	2	9	2400	0.0		8	26	1700	37130

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 11 54	120 56 30	SW21 39N 9E	1690E	12.67	2/24/58	37-SEP 57 B SEP 57-DATE	37-SEP 57B SEP 57-DATE	1957		0.00	LOCAL

Station located 200 ft. above U. S. Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship at times affected by ice.

B - Irrigation season only

TABLE 25

DAILY MEAN DISCHARGE

BUTTE CREEK NEAR ADIN

IN SECOND FEET

STATION NO	WATER YEAR
A18250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	1.2	0.9	0.6	0.9	0.4	7.6	1.9	1.4	0.6	0.5	0.0	1
2	0.7	1.2	1.0	0.7	1.1	0.4	8.1	1.7	1.4	0.6	0.5	0.0	2
3	0.7	0.7	0.9	0.6	1.0	0.5	8.6	1.5	1.4	0.5	0.5	0.0	3
4	0.7	0.8	0.7*	0.6	0.9	0.5	9.5	1.4	1.4	0.4	0.5	0.1	4
5	0.4	0.7	0.7	0.6	0.9*	0.7	11	1.1	1.4*	0.5	0.5	0.1	5
6	0.3	0.7*	0.6	0.6	1.0	2.4	11	1.2	1.6	0.5	0.5	0.1	6
7	0.2	0.7	0.6	0.6	1.5	2.4	10	1.2	1.5	0.4	0.4	0.2	7
8	0.2	0.8	0.6	0.7	1.5	5.4	10	1.3*	1.1	0.4	0.4	0.2	8
9	0.3	0.7	0.6	0.6	2.4	3.4	9.1	1.0	0.5	0.4	0.4	0.3	9
10	0.3	0.8	0.5	0.7	3.2	2.3	6.9*	1.2	0.7	0.4	0.4	0.4	10
11	0.4	0.6	0.7	0.6	2.1	2.1	5.7	1.1	0.7	0.3	0.4	0.4	11
12	0.7	0.6	0.5	0.8	1.4	1.6	5.1	1.1	0.6	0.3	0.3	0.6	12
13	1.5	0.6	0.5	0.8	2.9	1.8*	4.5	1.4	0.6	0.4	0.4	0.4	13
14	1.4	0.7	0.6	0.7	1.8	5.1	3.8	1.4	0.6	0.4	0.5	0.4	14
15	1.4	0.7	0.5	0.7	4.8	5.8	3.4	1.3	0.6	0.4	0.3	0.4	15
16	1.0	0.8	0.6	0.7	4.4	5.7	3.3	1.4	0.6	0.4	0.4	0.4	16
17	1.1	0.9	0.8	0.8	2.5	5.0	2.7	1.3	0.6	0.4	0.5	0.5	17
18	1.0	0.8	0.6	0.9	1.3	6.5	2.4	1.3	0.6	0.4	0.6	0.5	18
19	1.0	0.8	0.7	1.1	1.1	8.9	2.4	1.3	0.6	0.4	0.5	0.5	19
20	1.3	0.8	1.3	1.0	1.2	7.3	2.8	1.2	0.6	0.4	0.6	0.5	20
21	1.4	0.8	0.7	0.7	1.0	6.2	2.2	1.2	0.6	0.5	0.5	0.5	21
22	1.3	0.8	0.5	0.7	1.0	8.1	1.8	1.1	0.6	0.4	0.5	0.4	22
23	1.4	0.9	0.4	0.8	1.0	8.8	1.6	1.2	0.6	0.4	0.5	0.3	23
24	1.4	0.8	0.5	0.7	0.8	7.0	1.5	1.3	0.6	0.5	0.5	0.3	24
25	1.3	0.9	0.6	0.7	0.6	9.2	1.4	1.3	0.6	0.4	0.5	0.3	25
26	1.4	0.8	0.5	0.7	0.6	11	1.3	1.4	0.6	0.4	0.6	0.3	26
27	1.7	0.8	0.5	0.7	0.8	13	1.6	1.4	0.5	0.4	0.6	0.4	27
28	1.5	0.8	0.5	0.7	0.6	12	2.4	1.4	0.5	0.4	0.3	0.8	28
29	1.4	0.9	0.5	0.7		9.4	2.9	1.4	0.5	0.4	0.3	0.7	29
30	1.3	0.9	0.5	0.9		7.9	2.4	1.5	0.5	0.4	0.1	0.6	30
31	1.2		0.6	0.8		7.6		1.6		0.4	0.1		31
MEAN	1.0	0.8	0.6	0.7	1.6	5.4	4.9	1.3	0.8	0.4	0.4	0.4	MEAN
MAX.	1.7	1.2	1.3	1.1	4.8	13.0	11.0	1.9	1.6	0.6	0.6	0.8	MAX.
MIN.	0.2	0.6	0.4	0.6	0.6	0.4	1.3	1.0	0.5	0.3	0.1	0.0	MIN.
AC. FT.	61	48	39	45	88	334	292	82	48	26	27	21	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1.5	23.0	3.9	3	27	1850	0.0		8	31	1500	1109

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 07 12	120 52 36	NE24 38N 9E	117E	5.55	2/24/58	NOV 57 - DATE	NOV 57 - DATE	1957		0.00	LOCAL

Station located 6.4 mi. SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

TABLE 26

DAILY MEAN DISCHARGE

WILLOW CREEK NEAR ADIN

IN SECOND FEET

STATION NO	WATER YEAR
A18170	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.9	5.3	5.9	5.5	6.6	6.6	20	7.0	5.4	4.3	4.5	4.7	1
2	4.8	5.1	6.2	5.6	6.6	6.7	21	6.5	5.3	5.0	4.4	4.7	2
3	5.2	5.1	6.1	5.5	6.4	6.7	20	6.2	5.3	4.8	4.6	4.8	3
4	4.8	5.1	5.6*	5.5	6.3	6.8	20	5.9	5.5	4.9	4.6	5.1	4
5	4.8	5.0	5.6	5.6	6.1*	8.2	20	5.7	5.6*	4.7	4.7	5.1	5
6	4.9	5.1*	5.4	5.6	6.1	15	19	5.7	5.5	4.6	4.7	4.9	6
7	5.0	5.0	5.4	5.6	7.6	12	18	5.9	5.5	4.5	4.7*	4.9	7
8	5.1	5.0	5.5	5.5	8.5	15	19	5.6*	5.3	4.7	4.6	5.0	8
9	5.2	5.0	5.7	5.5	15	12	16	5.6	5.0	4.6	4.8	5.0	9
10	5.1	5.0	5.1	5.3	15	10	13 *	5.5	5.0	4.6	4.7	5.1	10
11	5.3	5.0	5.2	5.4	11	9.8	12	5.5	4.7	4.5	4.6	5.1	11
12	5.3	5.1	5.4	5.7	9.0	8.5	12	5.7	4.6	4.5	4.6	5.1	12
13	5.1	5.0	5.3	5.6	11	8.1*	9.1	6.6	4.6	4.4	4.6	5.2	13
14	5.2	5.0	5.4	5.4	9.2	8.4	8.1	6.5	4.7	4.4	4.6	5.2	14
15	5.1	5.0	5.3	5.5	16	8.4	8.7	5.9	4.6	4.2	4.5	5.1	15
16	5.1	5.0	5.5	5.4	11	8.7	8.8	5.9	4.6	4.3	4.6	5.2	16
17	5.1	4.8	5.5	5.5	9.3	8.6	8.1	5.9	5.1	4.2	4.6	5.1	17
18	4.9	4.7	5.5	5.6	8.2	9.3	7.8	6.7	5.1	4.2	4.5	5.1	18
19	5.0	5.2	5.9	6.0	8.1	11	8.2	8.0	5.4	4.3	4.3	5.2	19
20	5.6	5.5	8.1	5.9	7.8	10	8.4	7.2	5.4	4.2	4.6	5.3	20
21	5.4	5.1	7.1	5.0	7.5	9.5	7.7	7.0	5.1	4.3	4.6	5.2	21
22	5.3	5.3	6.2	4.6	7.0	11	7.8	6.2	5.3	4.3	4.7	5.3	22
23	5.1	5.2	6.0	5.5	7.1	11	7.4	7.5	5.0	4.0	4.7	5.3	23
24	5.1	5.2	5.8	6.6	7.3	11	6.9	7.0	4.9	5.1	4.7	5.4	24
25	5.0	5.3	6.0	6.3	6.8	13	6.2	8.1	4.7	4.5	4.6	5.2	25
26	5.1	5.3	5.5	5.7	6.5	15	6.4	7.9	4.6	4.4	4.8	5.2	26
27	6.7	5.1	5.7	5.7	6.3	18	7.3	7.7	4.9	4.4	4.8	5.4	27
28	5.8	5.1	5.7	5.8	6.6	18	9.4	6.9	4.9	4.4	4.7	5.7	28
29	5.3	5.2	5.8	6.1		18	8.8	6.7	4.5	4.5	4.8	5.4	29
30	5.4	6.0	5.7	6.2		17	7.3	6.2	4.0	4.6	4.8	5.3	30
31	5.4		5.6	6.4		18		6.1		4.5	4.7		31
MEAN	5.2	5.1	5.7	5.6	8.6	11.3	11.7	6.5	5.0	4.5	4.6	5.1	MEAN
MAX.	6.7	6.0	8.1	6.6	16.0	18.0	21.0	8.1	5.6	5.1	4.8	5.7	MAX.
MIN.	4.8	4.7	5.1	4.6	6.1	6.6	6.2	5.5	4.0	4.0	4.3	4.7	MIN.
AC. FT.	320	305	353	347	476	693	699	398	298	276	285	306	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.6	34.0	1.59	2	9	2050	2.3	0.54	1	22	0520	4756

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 05 04	120 54 09	SE35 38N 9E	201E	3.61	3/7/60	29-SEP 57 8 SEP 57-DATE	29-SEP 578 SEP 57-DATE	1957		0.00	LOCAL

Station located W. of Adin-Susanville Highway, 8.2 mi. SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

8 - Irrigation season only

TABLE 27

DAILY MEAN DISCHARGE

HORSE CREEK AT LITTLE VALLEY

IN SECOND FEET

STATION NO	WATER YEAR
A11349	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.6	7.2	10	10	16	12	11	5.4	7.5	3.8	4.1	4.5	1
2	6.5	8.2	11	9.9	15	14	11	5.3	6.6	3.8	4.0*	4.7	2
3	6.6	8.1	12	9.6	15	15	12	5.9	5.3	3.8	3.7	4.7	3
4	6.4	8.1	11	9.2	15	15	9.1	7.9	4.1	3.8	3.7	4.4	4
5	7.0	7.7	10	9.4	15	18	8.8	5.9	4.4	3.6	3.7	4.2	5
6	6.8	7.4	9.8	9.6	15	26	4.8	4.9	4.7	4.3	3.5	4.1	6
7	7.6	7.4	9.2	9.8	15	36	7.7	4.0	4.5	4.4	3.6	4.2	7
8	7.3	7.4	8.5	9.8	16	65	8.4	3.8	4.1	4.2	3.9	4.2	8
9	5.7	7.3	8.2	9.2	25	43	7.4	4.9	4.0	4.2*	3.9	3.9	9
10	5.2	12	8.6	9.3	44	29	7.8	4.9	3.9	4.1	3.9	4.1	10
11	5.3	9.9	7.7	8.4	41	23	8.1	5.2	4.0	4.2	3.7	4.3	11
12	5.9	8.1	8.5	9.1	32	20	7.6	6.1	3.9*	4.2	3.7	4.3	12
13	6.3	7.9	8.5	9.0	27	17 *	6.7	7.3	3.8	4.2	3.8	4.0	13
14	8.3	8.1	8.4	8.5	25	16	5.9	7.9	3.9	4.0	3.8	3.8	14
15	11	8.1	8.6	9.1*	70	15	5.0	7.4	4.1	4.2	3.6	3.8	15
16	8.3	8.2*	8.4	8.8	84	14	4.6	8.6	3.9	3.8	3.6	3.8	16
17	6.0*	7.8	8.5	8.8	53	14	4.7	7.7*	3.7	3.8	4.0	3.5	17
18	5.2	8.1	9.0	9.0	37	13	4.5	8.8	4.1	5.0	3.8	3.5	18
19	5.1	8.1	10	9.8	28	12	3.7*	10	4.8	5.1	3.8	3.7	19
20	8.4	8.5	12	10	23	13	4.0	7.8	4.6	5.0	3.9	3.8	20
21	10	8.5	15	11	19	13	3.6	7.2	4.2	4.7	4.1	4.1	21
22	8.2	8.2	13	11	17	14	3.8	6.9	4.2	4.5	4.1	4.0	22
23	7.8	9.1	12	11	15	15	3.8	10	4.1	4.5	4.0	4.1	23
24	7.6	9.2	11	11	14	15	4.2	9.8	4.3	4.4	4.0	4.2	24
25	7.7	9.6	11	12	13	14	4.1	12	4.7	4.5	4.1	4.3	25
26	7.9	9.2	10	12	12	13	4.5	14	4.7	4.7	4.0	4.2	26
27	8.3	8.7	9.6	12	13	13	4.7	12	5.0	4.4	3.9	4.2	27
28	9.3	9.0	9.6	11	13	14	5.8	10	5.4	4.1	3.9	4.4	28
29	8.7	8.8	9.8	13		13	5.9	9.7	4.5	4.0	4.0	4.8	29
30	5.8	9.2	9.6	14		13	5.6	9.1*	4.0	4.1	4.2	4.8	30
31	6.0		9.8	15		13		9.3		4.1	4.3		31
MEAN	7.2	8.4	9.9	10.3	26.0	18.7	6.3	7.7	4.5	4.2	3.9	4.2	MEAN
MAX.	11.0	12.0	15.0	15.0	84.0	65.0	12.0	14.0	7.5	5.1	4.3	4.8	MAX.
MIN.	5.1	7.2	7.7	8.4	12.0	12.0	3.6	3.8	3.7	3.6	3.5	3.5	MIN.
AC. FT.	442	502	612	633	1442	1150	374	475	268	261	239	247	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9.2	118	2.64	2	15	1930	3.1	1.7	4	21	2100	6645

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 53 56	121 10 23	NE15 35N 7E	513E	3.51	2/8/60	OCT 59 - DATE	SEP 59 - DATE	1959		0.00	LOCAL

Station located 300 ft. below Western Pacific Railroad bridge, 0.5 mi. NE of Little Valley. Tributary to Pit River. Recorder installed September 30, 1959.

TABLE 28

DAILY MEAN DISCHARGE

FALL RIVER NEAR DANA

IN SECOND FEET

STATION NO	WATER YEAR
A17220	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	368	381	485	382	354	462	484	617	470	391	367	377	1
2	372	379	462	377	357	451	501	615	467	388	363 *	375	2
3	370	374	442	377	356	453	505	617	464	388	367	376	3
4	368	372	423	374	357	453	513	615	457	388	368	375	4
5	369	366	414	374	354	457	532	606	451	383	371	373	5
6	369	367	403	377	355	468	549	596	446	381	371	373	6
7	369	370	400	375	369	464	564	592	442	376	369	374 *	7
8	371	369	396	375	408	459	605	591	441	377	372	373	8
9	368	372	393	372	488	453	635	598	433	375 *	373	372	9
10	369	367	393	372	545	447	640	593	428	374	374	369	10
11	369	368	388	371	523	444	632	575	428	372	374	367	11
12	371	372	390	375	512	439	635	558	427 *	374	375	370	12
13	371	371	395	373	547	433	657	566	421	374	378	370	13
14	369	371 *	393 *	370	589	434	673	546	425	372	378	364	14
15	370	369	389	367	635	433	716	528	422	371	378	365	15
16	366	372	387	367	585	432	721	517	421	370	377	364	16
17	364 *	369	387	370	545	428	705	511 *	418	368	374	363	17
18	364	371	388	374	512	423	693	518	416	368	378	362	18
19	365	371	391	379	494 *	427	689 *	527	409	371	379	362	19
20	369	375	401	372	480	433	662	508	409	369	379	361	20
21	370	372	434	365	468	437	631	498	407	367	383	362	21
22	368	373	423	364	462	451	628	492	410	370	381	360	22
23	370	378	408	365	462	439	636	501	408	369	379	360	23
24	369	395	396	365	462	428	654	495	405	370	381	362	24
25	372	442	397	364	454	426	653	489	403	371	382	359	25
26	375	426	387	362	442	434	639	494	403	370	377	355	26
27	387	436	385	359	444	442	649	490	402 .	369	378	357	27
28	382	417	381	355	466 *	463	778	480	398	368	378	362	28
29	384	410	381	353		465	688	478	397	372	376	365	29
30	381	414	380	353		475	639	483 *	397	371	376	362	30
31	380		379	353		475		478		370	376		31
MEAN	371	383	402	369	465	446	630	541	424	374	375	366	MEAN
MAX.	387	442	485	382	635	475	778	617	470	391	383	377	MAX.
MIN.	364	366	379	353	354	423	484	478	397	367	363	355	MIN.
AC. FT.	22830	22790	24740	22670	25840	27430	37500	33270	25240	23000	23070	21800	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
428	820	6.5	4	28	0810	352	4.86	1	29	2400	310200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 06 19	121 33 00	NE30 38N 4E	2190E	10.25	2/25/58	NOV 57 - DATE	NOV 57 - DATE	1957		0.00	LOCAL

Station located at private bridge, 0.7 mi. SE of Dana.

TABLE 29

DAILY MEAN DISCHARGE

HAT CREEK NEAR CASSEL

IN SECOND FEET

STATION NO	WATER YEAR
A16100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	443	527	541	435	475	500	493	382	488	386	444	451	1
2	453	491	527	444	477	506	492	379	477	380	446	446	2
3	443	512	484	583	477	495	502	376	452	365	453	440	3
4	442	527	509	503	459	474	500	372	455	368	460	453	4
5	438	516	513	484	463	520	500	370	454	371	460	450	5
6	440	359	498	480	490	578	497	375	431	365	458	440	6
7	443	501	490	465	536	507	500	383	419	359	432	437 •	7
8	438	502	483	491	519	576	496	386	418	355	460	435	8
9	445	562	490	486	531	513	492	395	420	354 •	463	431	9
10	447	612	477	489	517	509	495	389	415	356	467	429	10
11	449	527	481	476	475	489	499	384	414	361	463	440	11
12	448	499	463	463	486	481	499	391	411 •	357	453	437	12
13	454	494	454	470	565	498	494	423	408	363	463	429	13
14	454	512 •	504 •	442	577	483	500	426	420	363	456	431	14
15	447	503	495	470	578	492	488	422	420	363	456	433	15
16	449	499	473	482	576	498	462	421	422	369	435	428	16
17	445 •	503	460	461	518	493	483	417 •	419	372	456	426	17
18	433	497	501	471	495	479	455	423	409	372	454	427	18
19	428	497	509	491	482 •	482	437 •	442	412	367	448	427	19
20	428	510	509	505	510	504	390	458	410	375	449	426	20
21	437	503	516	462	536	511	533	466	292	377	458	420	21
22	428	506	499	454	500	502	424	448	490	371	455	418	22
23	452	504	479	434	499	511	418	444	458	361	417	414	23
24	463	507	458	454	503	497	416	427	400	379	470	407	24
25	460	528	487	442	486	493	421	467	396	378	452	418	25
26	474	475	506	493	480	496	409	469	390	367	444	405	26
27	444	504	473	507	494	499	427	469	390	370	444	410	27
28	477	531	375	456	495	495 •	443	468	380	377	455	409	28
29	469	448	600	467		492	450	490	399	376	453	422	29
30	491	602	517	486		495	462	495	401	381	452	409	30
31	511		445	486		490		488		381	453		31
MEAN	451	509	491	475	507	502	469	424	419	369	453	428	MEAN
MAX.	511	612	600	583	578	578	533	495	490	386	470	453	MAX.
MIN.	428	369	375	434	459	474	390	370	292	354	417	405	MIN.
AC. FT.	27720	30280	30180	29220	28160	30860	27920	26070	24930	22690	27830	25480	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
457	783	4.03	11	9	1600	60	1.41	11	6	1530	331300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 58 40	121 33 21	SE18 36N 4E	858	4.17	12/1/60	OCT 58 - DATE	SEP 58 - DATE	1958		0.00	LOCAL

Station located 400 ft. below U. S. Highway 299W bridge, 9.1 mi. NE of Burney, 4 mi. N. of Cassel. Tributary to Sacramento River. Flow regulated by Pacific Gas and Electric Company power plants.

TABLE 30

DAILY MEAN DISCHARGE

BURNEY CREEK NEAR BURNEY

IN SECOND FEET

STATION NO	WATER YEAR
A15150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.8	11	73	24	20	37	81	124	42	11	9.3	11	1
2	10 •	12	61	21	20	31	93	121	41	11	9.1	10	2
3	11	11	50	26	19	23	95	119	43	8.6	9.4	10	3
4	9.7	11	37	24	19	36	104	117	37	9.1	10	9.7	4
5	7.3	11	32	25	19 •	58	115	104	33	9.9	9.4	9.8	5
6	8.0	11	27	25	23	56	122	97	34	8.5	8.5	9.7	6
7	9.2	12	25	20	50	60	130	95	32	8.0	7.7	9.2	7
8	9.8	12	24	26	90	58	138	110	32	7.8	7.3	8.2	8
9	14	12	21	23	168	55	141	128	35	8.2	8.7	8.3	9
10	8.4	11	22	22	191	46	136	106	31	8.4	9.0	8.4	10
11	11	11	22	22	144	41	133	98	28	8.7	8.7	8.6	11
12	12	11	22	23	123	40	137	88	26 •	9.0	8.6	9.0	12
13	11	11	22	23	218	37	149	91	28	10	9.4	8.7	13
14	13	12	23	21	187	37	163	88	25	11	8.8•	8.5	14
15	9.6	14	19	22	225	38	178	94	21	11	8.4	8.7	15
16	12	13 •	9.2	23	182	40	165	86	20	10	7.7	8.9	16
17	13 •	13	26	22	134	40	165	79 •	21	11	7.7	8.3	17
18	9.9	14	27 •	21	89	37	157	90	19	12 •	8.3	8.4	18
19	8.9	15	45	38	84 •	39	155 •	91	15	12	8.6	8.3•	19
20	12	16	91	39	80	43	137	78	14	11	8.9	8.9	20
21	13	15	99	32	69	45	125	68	16	11	8.8	9.2	21
22	11	16	58	31	63	79	125	67	14	12	8.2	9.1	22
23	12	22	48	30	88	46	136	74	13	12	8.5	8.8	23
24	11	41	40	29	68	45	138	68	13	11	8.8	8.7	24
25	12	131	31	27	43	46	132	79	12	11	8.5	6.3	25
26	16	67	35	26	38	46	122	85	12	11	8.6	7.0	26
27	34	45	30	25	38	50	146 •	73	13	11	7.6	8.6	27
28	28	28	27	24	39	57 •	226	66	14	12	7.5	12	28
29	15	52	29	22		60	159	63	11	12	7.9	18	29
30	13	62	28	21		66	135	59	11	11	7.7	16	30
31	12		26	21		73		52		11	9.1		31
MEAN	12.4	24.1	36.4	25.1	90.4	47.3	138	89.0	23.5	10.4	8.5	9.5	MEAN
MAX.	34.0	131	99.0	39.0	225	79.0	226	128	43.0	12.0	10.0	18.0	MAX.
MIN.	7.3	11.0	9.2	20.0	19.0	23.0	81.0	52.0	11.0	7.8	7.3	6.3	MIN.
AC. FT.	765	1434	2240	1543	5020	2906	8208	5470	1400	637	525	564	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
42.4	302	8.21	2	13	1620	5.4	5.11	9	25	1810	30710

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 52 18	121 40 58	SW19 35N 3E	592E	9.75	1/12/59	APR 58 - DATE	APR 58 - DATE	1958		260.60	USGS

Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship at times affected by ice. Flow affected by upstream diversion. Drainage area is 87.7 sq. mi.

TABLE 31

DAILY MEAN DISCHARGE

DAILY MEAN INFLOW SHASTA LAKE
IN SECOND FEET

STATION NO	WATER YEAR
A21051	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2970	3430	32050	4550	5290	9320	10380	7770	6660	2010	3780	2200	1
2	3370	3440	24110	5170	4800	8880	10670	7900	6540	4050	3760	2700	2
3	3750	3250	12920	5650	3580	7960	10660	8280	4430	4060	3550	2380	3
4	3250	3050	9700	5360	3950	7540	10690	8330	6400	2240	2220	3330	4
5	3420	2730	7620	5120	4630	19300	10970	7150	6110	4070	1860	3920	5
6	3260	3630	6090	3900	6310	25680	11130	6240	5890	4690	3540	3900	6
7	2480	3570	5990	4120	16720	18070	11250	7840	5700	2510	4160	3680	7
8	2810	3890	6800	4810	27140	14610	11780	8670	6290	2060	4010	1420	8
9	3450	3280	5480	5500	55410	13170	11310	8490	4240	3770	4200	1870	9
10	3050	3710	4660	5080	49650	11800	10770	8020	3450	4820	3710	3810	10
11	4190	3150	4550	5080	28770	11050	10400	8320	5210	4150	3010	3620	11
12	4120	3450	4920	5640	35050	10220	10460	6780	5740	4190	2580	3720	12
13	3550	3160	4910	4130	69940	9940	10960	5290	5570	4110	3650	3830	13
14	3770	3800	4580	3290	48110	9660	11450	6330	4870	2290	3410	4220	14
15	3710	3570	4600	4600	48670	9690	11410	6840	4700	1800	3800	1800	15
16	4010	3810	4460	4800	40620	9620	10830	6740	3180	3460	3920	1670	16
17	3740	3500	5060	4720	30800	8890	10360	6930	3790	3920	3770	3520	17
18	3710	3720	6480	5530	25760	6710	10490	6810	3850	4050	1520	3920	18
19	3660	3110	10170	11330	19850	8720	9850	5260	4560	4050	2000	3590	19
20	3720	3380	15670	9640	16780	10690	9260	4820	4400	3720	3680	3550	20
21	3870	3490	18100	5400	14890	10550	8430	6370	4510	2130	3780	3880	21
22	3450	3590	11680	5000	12870	13490	7560	6280	4300	1840	4230	1910	22
23	3290	5590	8360	5560	12130	11950	8790	6360	2630	3690	4070	1760	23
24	3780	14140	6970	5220	11220	11410	9510	6390	2550	3840	3650	3810	24
25	3620	15210	6910	4970	10680	10570	8810	6160	4000	3730	1720	3730	25
26	3700	14980	6530	4630	9480	10020	7970	6250	5580	3820	1540	3770	26
27	4810	9990	6840	4200	8550	10510	10120	5230	5300	4080	3320	4020	27
28	3880	6540	6820	3600	9870	10900	8860	6630	4820	1920	3720	5490	28
29	3610	10030	6420	5320		10550	7500	6870	4560	1990	3770	2180	29
30	3560	15520	4530	5360		10620	7480	6460	2460	3860	3710	2090	30
31	3270		4200	5690		10090		6930		3790	3850		31
MEAN	3604	5590	8651	5257	22554	11361	10004	6863	4743	3378	3338	3176	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	221610	332650	531930	323250	1252600	698540	594640	421960	282230	207690	205270	189000	AC. FT.

E — ESTIMATED
NR — NO RECORD
o — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND o

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7268											5780440

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 43 10	122 25 10	NW15 33N 5W				NOV 42 - DATE	NOV 42 - DATE	1942		0.00	USCGS

Station located in Shasta Dam, 2 mi. below Squaw Creek, 9.5 mi. N. of Redding. Usable capacity, 4,377,000 acre feet between elevations 737.75 and 1,065.0 ft. above mean sea level. Not available for release, 115,700 acre feet. Inflow to Shasta Lake takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the dam site if the dam had not been constructed. Period of record for computed inflow is shown under period of record for discharge. Period of record for daily content is shown under period of record for stage. Records furnished by U.S.B.R. Drainage area, excluding Goose Lake Basin, is 6,665 sq. mi.

TABLE 32

DAILY MEAN DISCHARGE

LITTLE COW CREEK NEAR INGOT

IN SECOND FEET

STATION NO	WATER YEAR
A48400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.9	16	1800	51	52	159	149	98	50	12	7.6	5.7	1
3	8.7	16	536	49	50	257	152	99	48	11	7.3	5.9	3
3	8.3	16	210	46	48	228	155	99	46	9.9	6.8	6.0	3
4	8.2	16	117	45	48	265	157	100	41	9.9	7.7	6.2	4
5	8.2	15	85	44	47	1100	163	94	37	9.7	8.2	5.9	5
6	7.9	15	67	43	65	1110	164	91	35	8.8	8.2	5.9	6
7	7.9	15	58	43	377	595	169	89	34	8.2	8.7	6.4	7
8	8.4	14	51	46	550	406	180	96	33	8.0	10	6.3	8
9	8.2	15	46	44	1130	310	178	96	32	8.6	12	6.5	9
10	8.6	15	43	44	1170	243	163	84	30	8.3	10	6.7	10
11	18	16	40	44	614	201	159	79	28	8.1	9.4	7.5	11
13	19	16	40	49	700	172	159	73	25 *	7.9	9.3	7.2	13
13	12	16	38	44	2090	159	164	79	23	7.2	8.4	7.1	13
14	11	15	38	42	1110	149	173	71	25	6.8	8.1*	7.2	14
15	10	15	35	40	1110	144	177	68	24	5.7	7.9	6.9	15
16	10	15 *	33	39	713	157	159	63	22	5.6	7.6	5.6	16
17	9.9*	15	157	40	501	154	150	61 *	20	5.8	6.7	5.1	17
18	9.8	15	212	43	425	134	140	70	18	5.4	7.0	4.4	18
19	9.7	16	942	806	354	131	146	73	16	7.1	6.9	5.2*	19
20	12	20	834	421	317	148	130	64	14	7.6	6.5	5.3	20
21	14	17	435	117	250	159	114	60	14	7.3	6.6	5.4	21
23	11	20	203	95	207	475	112	59	13	7.1	6.8	5.5	22
23	12	28	142	79 *	180	244	118	62	13	7.6	6.5	5.4	23
24	12	77	111	76	168	187	124	57	13	7.4	6.4	5.4	24
25	11	688	94	77	150	162	118	56 *	13	6.7	6.3	4.6	25
26	12	420	81	69	122	158	110	56	13	6.5	6.0	4.4	26
27	41	140	72	63	117	150	165	53	13	6.4	5.8	5.5	27
28	28	64	65	60	119	152	156	51	12	6.8	5.7	11	28
29	17	274	60	57		149 *	119	53	12	7.4	5.8	12	29
30	16	126	55	54		146	101	55	12	8.1	5.8	7.5	30
31	16		52	53		147		53		7.3	5.6		31
MEAN	12.7	72.2	218	91.1	457	269	148	73.0	24.3	7.7	7.5	6.3	MEAN
MAX.	41.0	688	1800	806	2090	1110	180	100	50.0	12.0	12.0	12.0	MAX.
MIN.	7.9	14.0	33.0	39.0	47.0	131	101	51.0	12.0	5.4	5.6	4.4	MIN.
AC. FT.	781	4296	13390	5599	25360	16560	8775	4487	1446	476	459	376	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
113	3850	13.92	12	1	1240	3.6	7.45	9	26	0310	82010

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 44 44	122 03 37	NW 2 33N 2W	8200E	16.64	11/13/57	MAR 57 - DATE	MAR 57 - DATE	1957		0.00	LOCAL

Station located 1.8 mi. NE of Ingot, 7 mi. SW of Round Mountain. Tributary to Sacramento River via Cow Creek. Drainage area is 60.4 sq. mi.

TABLE 33

DAILY MEAN DISCHARGE

SALT CREEK NEAR BELLA VISTA

IN SECOND FEET

STATION NO	WATER YEAR
A48375	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	501 E	3.9	4.5	39	8.0	1.9	0.4	0.0	0.0	0.0	1
2	0.0*	0.0*	150 *	3.9	4.3	71	7.3	1.9	0.4	0.0	0.0	0.0	2
3	0.0	0.0	42	3.9	3.7	74	6.4	1.7	0.5	0.0	0.0	0.0	3
4	0.0	0.0	20	3.5	3.6	62	5.8	1.7	0.5	0.0	0.0	0.0	4
5	0.0	0.0	12	3.1	3.6	266 E	5.1	1.6	0.4	0.0	0.0	0.0	5
6	0.0	0.0	7.9	2.9	7.4	285 E	5.0	1.5	0.0	0.0	0.0	0.0	6
7	0.0	0.0	6.5	2.6	53	118	4.4	1.5	0.0	0.0	0.0*	0.0	7
8	0.0	0.0	5.2	2.3	128	73	4.3	1.3	0.0	0.0	0.0	0.0	8
9	0.0	0.0	4.1	2.3	352 E	49	3.9	1.2	0.0	0.0	0.0	0.0	9
10	0.0	0.0	3.6	2.2	253	32	3.4	1.2	0.0	0.0	0.0	0.0	10
11	0.0	0.0	3.4	1.9	158	24	3.1	1.2	0.0	0.0	0.0	0.0	11
12	0.0	0.0	2.7	2.2	118	18	3.0	1.2	0.0*	0.0	0.0	0.0	12
13	0.0	0.0	2.5	2.2	919 E	15	2.9	1.4	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.7	1.8	334 #	13	2.8	1.7	0.0	0.0	0.0	0.0	14
15	0.0	0.0	2.5	1.7	426 #	14	2.6	1.4	0.0	0.0	0.0	0.0	15
16	0.0	0.0	2.3	1.8	178	13	2.3	1.1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	17	1.8	99	11	2.3	1.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	22 *	3.9	111	9.8	2.1	0.9	0.0	0.0	0.0	0.0	18
19	0.0	0.0	255	243	98	9.1	2.3	0.8	0.0	0.0	0.0	0.0	19
20	0.0	0.0	240	153	67	12	2.4	0.8	0.0	0.0	0.0	0.0	20
21	0.0	0.0	122	49	44	9.3	2.0	0.8	0.0	0.0	0.0	0.0	21
22	0.0	0.0	50	26	33	33	1.7	0.8	0.0	0.0	0.0	0.0	22
23	0.0	0.0	28	18	26	24	1.6	0.7	0.0	0.0	0.0	0.0	23
24	0.0	1.9	20	15 *	20	20	1.5	0.6	0.0	0.0	0.0	0.0	24
25	0.0	77	14	12	16	18	1.5	0.6	0.0	0.0	0.0	0.0	25
26	0.0	54	11	9.6	13	15	1.4	0.6	0.0	0.0	0.0	0.0	26
27	0.0	15	9.2	7.9	12	13	4.3	0.6	0.0*	0.0	0.0	0.0	27
28	0.0	5.2	7.9	6.7	14	12	4.9	0.6	0.0	0.0	0.0	0.0	28
29	0.0	43	6.7	5.8		10 *	2.4	0.5	0.0	0.0	0.0	0.0	29
30	0.0	39	5.7	5.2		9.4	1.9	0.4	0.0	0.0	0.0	0.0	30
31	0.0		5.0	4.9		8.3		0.4		0.0	0.0		31
MEAN	0.0	7.8	51.0	19.5	125	44.5	3.4	1.1	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	77.0	501 E	243	919 E	285 E	8.0	1.9	0.5	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	2.3	1.7	3.6	8.3	1.4	0.4	0.0	0.0	0.0	0.0	MIN.
AC. FT.		466	3138	1198	6940	2737	204	67	4				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
20.4	1910 E	5.91	2	13	1050	0.0		10	1	0000	14750

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 39 40	122 11 41	NW 3 32N 3W	2310E	6.13	12/1/60	NOV 57 - DATE	NOV 57 - DATE	1957		0.00	LOCAL

Station located at U. S. Highway 299 bridge, 2.8 mi. NE of Bella Vista. Tributary to Sacramento River via Little Cow Creek and Cow Creek.

TABLE 34

DAILY MEAN DISCHARGE

BEAR CREEK NEAR MILLVILLE

IN SECOND FEET

STATION NO	WATER YEAR
A40750	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.4	13	1450 E	52	57	216	115	41	22	7.5	4.6E	4.4	1
2	9.0	14	468 *	49	57	272	110	39	20	7.1	4.6E	4.6	2
3	7.6	14	189	46	58	212	103	37	18	6.7*	4.6E	4.7	3
4	7.7	14	116	44	59	200	97	36	18	6.0	4.8E	5.1	4
5	7.7	14	83	44 *	59	502 E	92	34	18	6.5	4.8E	5.6	5
6	8.5	13	69	46	73	720 E	85	32	17	5.7	4.8E	5.9	6
7	9.3	14	59	44	249	431	81	29	18	6.2	5.5E	5.7*	7
8	9.8	14	53	43	452 *	316	79	27	17 *	6.4	7.9E	5.7	8
9	10	15 *	48	41	698	264	76	28	17	5.1	11 E	5.3	9
10	11 *	16	45	39	531	223	71	28	17	5.5	9.7*	4.7	10
11	15	17	41	38	364	197	66	27 *	17	5.8	6.9	4.8	11
12	17	17	39	40	567	174	62	27	16	5.6	6.2	5.3	12
13	14	16	38	39	1130 E	157	57	31	16	5.3	5.8	6.2	13
14	12	16	38	38	777 E	147	54	31	19	4.9	5.4	6.5*	14
15	12	16	37	36	1090 #	143	51	31	18	5.4	5.0	7.0	15
16	11	16	35	35	857	143	49	28	18	5.7	5.2	6.5	16
17	11	16	85	35	516	139	44	27	17	5.4	4.9	5.2	17
18	11	16	79	37	466	121	42	28	15	5.4	5.9	5.3	18
19	10	17	577	615	417	114	47	36	14	5.1	6.1	5.7	19
20	11	23	606 E	384	332	125	60	28	14	4.5	5.4	5.9	20
21	13	19	442	149	276	127	52	27	13	4.3	5.4	5.8	21
22	13	20	219	95	237	416	47	25	12	4.3	5.1	6.3	22
23	12	21	150	80	215	224	45	27	12	4.4	4.9	7.2	23
24	12	25	117	74 *	194	178	42	27	9.3	4.5	4.8	6.5	24
25	12	336	99	71	173	159	39	26 *	9.0	4.4	4.9	6.1	25
26	14	136	83	88	154	153	37	27	9.0	4.6E	4.9	6.3	26
27	15	65	75	83	137	142	40	29	9.0	4.6E	4.7	7.2	27
28	16	38	68	60	138	141	71	27	7.9	4.6E	4.4	10	28
29	13	234	63	58		135 *	52	25	7.0	4.6E	4.0	12	29
30	13	160	58	58		131	45	25	7.3	4.6E	4.1	11	30
31	13		54	57		121		23		4.6E	4.2		31
MEAN	11.5	45.5	180	83.1	362	218	63.7	29.5	14.7	5.3	5.5	6.3	MEAN
MAX.	17.0	336	1450 E	615	1130 E	720 E	115	41.0	22.0	7.5	11.0E	12.0	MAX.
MIN.	7.4	13.0	35.0	35.0	57.0	114	37.0	23.0	7.0	4.3	4.0	4.4	MIN.
AC. FT.	710	2707	11070	5109	20100	13380	3790	1811	876	328	338	374	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
83.7	3140 E	10.44	12	1	1420	NR					60590

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B R. M.O.B.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 31 48	122 06 34	NE20 31N 2W	3140E	10.44	12/1/61	OCT 59 - DATE	AUG 59 - DATE	1959		0.00	LOCAL

Station located below State Highway 44 bridge, 3.7 mi. E. of Millville. Tributary to Sacramento River. Recorder installed August 14, 1959.

TABLE 35

DAILY MEAN DISCHARGE

SOUTH FORK BATTLE CREEK NEAR MINERAL

IN SECOND FEET

STATION NO	WATER YEAR
447300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.4	7.4	51	11	19 E	31 E	101	139	102	22	11	6.6	1
2	5.2	7.5	54	11	20 E	30 E	100	154	111	23	11	5.7	2
3	5.2	7.1	37	11	20 E	29 E	109	174	91	23 •	11	5.2	3
4	5.0	7.0	25	11	20 E	27 E	125	184	76	31	13	5.4	4
5	4.9	6.9	19	13 •	19 E	24 E	138	177	74	36	12	5.4	5
6	3.4	6.6	15	13	19 E	23 E	151	175	77	35	12	5.2	6
7	3.3	6.8	17 •	15	20 E	22 E	158	175	76	33	11	5.0	7
8	3.6	6.8	16 E	18	48 E	21 E	177	205	84 •	33	12	5.2	8
9	5.9	6.3•	16 E	21	284	20 E	176	210	84	31	11	3.6	9
10	6.5	6.2	16 E	20	335	18 E	157	165	80	32	10 •	3.6	10
11	11 •	6.4	16 E	20	191	17 E	156	146 •	74	32	9.2	4.3	11
12	8.2	6.1	16 E	17	118	17 E	172	139	70	27	9.0	4.9	12
13	6.9	5.7	16 E	18 E	112	16 E	189 •	136	59	27	8.5	4.8	13
14	6.5	6.2	17 E	18 E	137	15 E	228	115	73	26	8.5	4.6•	14
15	6.0	6.0	17 E	18 E	170	15 E	232	116	77	25	8.3	4.2	15
16	5.6	6.0	17 E	18 E	122	14 E	211	115	61	24	7.6	4.1	16
17	5.9	8.1	17 E	19 E	91	16	199	119	50	21	7.1	4.0	17
18	6.4	8.9	17 E	19 E	71	21	186	124	48	19	8.6	4.2	18
19	5.6	8.6	17 E	18 E	60	31 •	170	124	46	18	8.7	4.1	19
20	5.9•	8.9	17 E	18 E	52	30	152	104	43	17	8.3	4.3	20
21	6.2	8.4	29 E	18 E	46	29	153	102	40	16	8.1	4.2	21
22	6.1	9.0	33	18 E	43	26	175	115	39	16	8.4	4.6	22
23	6.7	11	20	18 E	40	28	193	129	35	16	8.4	4.8E	23
24	6.5	22	17	18 E	37 E	24	194	102	33	14	7.8	4.8E	24
25	6.3	69	14	19 E	37 E	29	179	93	31	14	8.1	5.3E	25
26	8.0	43	13	19 E	36 E	37	161	99	30	14	7.4	5.6E	26
27	14	18	14	19 E	34 E	49	232	98	28	14	6.9	5.8E	27
28	11	11	12	19 E	32 E	58	208	110	27	14	7.0	6.1E	28
29	7.3	8.4	12	20 E		70	147	120	25	12	6.9	6.4E	29
30	7.3	42	12	20 E		85	127	119	24	12	6.8	6.6E	30
31	7.3		13	19 E		93		115		11	6.8		31
MEAN	6.5	12.7	20.1	17.2	79.8	31.1	169	135	58.9	22.2	9.0	5.0	MEAN
MAX.	14.G	69.0	54.0	21.0	335	93.0	232	210	111	36.0	13.0	6.6	MAX.
MIN.	3.3	5.7	12.0	11.0	19.0E	14.0E	100	93.0	24.0	11.0	6.8	3.6	MIN.
AC. FT.	401	756	1234	1059	4429	1914	10030	8315	3507	1365	556	295	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
46.8	495	5.56	2	9	1920	0.5	3.40	11	16	1310	33860

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 21 10	121 39 50	NW28 29N 2E	948E	6.08	2/8/60	OCT 59 - DATE	SEP 59 - DATE	1959		0.00	LOCAL

Station located at old State Highway 36 bridge, 3.7 mi. W. of Mineral. Tributary to Sacramento River via Battle Creek. Stage-discharge relationship at times affected by ice. Drainage area is 33.0 sq. mi. Recorder installed September 4, 1959.

TABLE 36
DAILY MEAN DISCHARGE

NORTH FORK COTTONWOOD CREEK NEAR IGO
IN SECOND FEET

STATION NO	WATER YEAR
403545	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11	10 *	401	63	58	269	237	81	41	17	7.4	5.3	1
2	11	11	274 *	62	56 *	226	237	77 *	40	18 *	6.0	5.5	2
3	11	11	182	49	54	200	235 *	74	40	18	6.9*	4.9	3
4	11	12	150	45	54	193	236	73	37 *	17	8.5	4.2	4
5	11	12	136	44	54	1330	235	71	31	18	9.4	4.3	5
6	11 *	11	125	44	64	1430 *	236	70	38 *	16	9.3	5.1*	6
7	8.6	11	116	44	142	1130	241	68	34	15	11	5.8	7
8	8.3	11	89	44	236	708	237	67	31	14	19	5.9	8
9	8.3	11	52	43	715	542	235	52	30	13	25	5.1	9
10	9.2	11	48	43	580	454	221	51	28	13	20	5.3	10
11	14	11	49	44	507	402	209	56	28	12	14	4.2	11
12	13	12	48	45 *	573	356	201	51	24	13	12	4.1	12
13	11	11	44	44	2370	326	199	50	25	14	11	3.7	13
14	10	11	43	43	1470	308	194	56	35	14	11	4.1	14
15	9.8	12	43	43	1570	309	190	55	35	13	11	3.6	15
16	11 *	11	43	42	1050	309	186	46	31	12	8.7	3.5	16
17	10	10	53	41	785	293	178	43	27	12	8.6	4.0	17
18	9.0	9.9	73	47	876	271	175	43	25	13	9.0	3.7	18
19	9.3	11	229	535	751	233	172	41	24	11	10	3.7	19
20	9.4	19	276	285	645	266	161	40	23	10	11	4.4	20
21	9.8	14	150	108	550	232	129	38	20	9.6	9.6	4.7	21
22	9.8	14	110	106	499	305	118	38	19	9.8	7.1	5.4	22
23	10	16	96	97	456	255	117	44	17	8.9	6.4	4.8	23
24	11	117	89	89	415	239	104	43	16	8.6	6.2	4.5	24
25	10	194	83	74	318	230	89	43	17	8.4	6.5	4.3	25
26	10	94	80	65	207	230	91	47	17	8.8	6.6	4.5	26
27	13	79	79	63	193	228	99	43	17	7.9	5.8	5.9	27
28	16	56	77	63	192	232	94	45	17	8.0	5.2	14	28
29	13	131	74	64		236	89	70	16	8.5	5.3	20	29
30	12	149 *	71	63		236	83	69	17	8.2	5.8	11	30
31	10		68	61		234		57		7.5	5.0		31
MEAN	10.7	36.4	111	80.7	551	394	174	54.9	26.7	12.2	9.6	5.7	MEAN
MAX.	16.0	194	401	535	2370	1430	241	81.0	41.0	18.0	25.0	20.0	MAX.
MIN.	8.3	9.9	43.0	41.0	54.0	193	83.0	38.0	16.0	7.5	5.0	3.5	MIN.
AC. FT.	658	2168	6845	4965	30630	24210	10370	3376	1587	748	592	336	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
119	4830	35.20	2	13	1340	3.0	29.92	9	12	1750	86480

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 26 32	122 32 57	NW21 30N 6W	8670	35.70	2/8/60	NOV 56 - DATE	NOV 56 - DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. S. of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 88.7 sq. mi.

TABLE 37

DAILY MEAN DISCHARGE

SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

IN SECOND FEET

STATION NO	WATER YEAR
A03595	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	418	27	52 *	136	361	135 *	77 *	20	0.0	0.0	1
2	0.0	0.0	335 *	28	51	139 *	374 *	134	77	17 *	0.0	0.0	2
3	0.0	0.0	92	27	47	126	346	134	80	12	0.0*	0.0	3
4	0.0*	0.0	52	27	44	120	333	140	80	11	0.0	0.0	4
5	0.0	0.0	37	27	42	790 E	362	136	74	9.1	0.0	0.0*	5
6	0.0	0.0	33	26	43	1150 E	359	137	70	8.5	0.0	0.0	6
7	0.0	0.0	31	26	108	431	362	135	67	7.8	0.0	0.0	7
8	0.0	0.0	28	27	509	214	364	138	66 E	7.9	0.0	0.0	8
9	0.0	0.0	27	30	679	180	359	140	68 E	5.8	0.0	0.0	9
10	0.0	0.0	24	29	752	168	291	134	70 E	7.0	0.0	0.0	10
11	0.0	0.0	21	29	488	160	233	129	72 E	6.6	0.0	0.0	11
12	0.0	0.0	21	28 *	362	151	218	118	74 E	7.1	1.0E	0.0	12
13	0.0	0.0	22	28	1400 E	145	254	112	74 E	6.9	1.0E	0.0	13
14	0.0	0.0	20	27	1120 E	143	280	110	74 E	5.1	1.0E	0.0	14
15	0.0	0.0	19	24	1330 #	144	264	103	75	4.4	1.0E	0.0	15
16	0.0	0.0	19	24	634	143	221	97	70	4.7	1.0E	0.0	16
17	0.0	0.0	19	24	359	143	194	97	62	5.6	1.0E	0.0	17
18	0.0	0.0	19	26	376	142	187	96	58	6.3	1.0E	0.0	18
19	0.0	0.0	27	41	278	144	184	92	55	6.3	1.0E	0.0	19
20	0.0	0.0	112	185	192	155	176	89	53	4.9	1.0E	0.0	20
21	0.0	0.0	213	113	174	157	164	87	45	3.1	1.0E	0.0	21
22	0.0	0.0	139	78	164	161	157	85	41	2.0	0.0	0.0	22
23	0.0	0.0	76	37	157	158	157	84	39	2.2	0.0	0.0	23
24	0.0	82 E	56	41	152	152	161	81	38	1.0	0.0	0.0	24
25	0.0	129 E	47	43	142	152	159	79	34	0.2	0.0	0.0	25
26	0.0	96 E	46	40	134	166	151	82	30	0.0	0.0	0.0	26
27	0.0	70 E	40	40	123	189	147	78	28	0.0	0.0	0.0	27
28	0.0	48 E	36	40	126	255	169	73	26	0.0	0.0	0.0	28
29	0.0	34 #	34	39		331	153	75	23	0.0	0.0	0.0	29
30	0.0	50	30	43		350	142	80	20	0.0	0.0	0.0	30
31	0.0		29	48		348		80		0.0	0.0		31
MEAN	0.0	17.0	68.5	41.0	359	237	243	106	57.3	5.6	0.3	0.0	MEAN
MAX.	0.0	129 E	418	185	1400 E	1150 E	374	140	80.0	20.0	1.0E	0.0	MAX.
MIN.	0.0	0.0	19.0	24.0	42.0	120	142	73.0	20.0	0.0	0.0	0.0	MIN.
AC. FT.		1010	4209	2523	19910	14570	14440	6526	3412	342	20		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
92.5	3580 E	5.77	3	6	0030	0.0		10	1	0000	66960

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 18 52	122 26 54	NE 5 28N 5W	12700E	8.27	2/8/60	APR 58 - DATE	APR 58 - DATE	1958		0.00	LOCAL

Station located 70 ft. above highway bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 218 sq. mi.

TABLE 38

DAILY MEAN DISCHARGE

ORY FORK SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

IN SECOND FEET

STATION NO.	WATER YEAR
A03565	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	270	7.3	8.5*	78	45 E	7.6*	0.9*	0.0	0.0	0.0	1
2	0.0	0.0	150 *	7.1	8.3	94 *	42 #	8.5	0.7	0.0	0.0	0.0	2
3	0.0	0.0	38	5.8	7.8	78	38 E	6.2	0.3	0.0	0.0	0.0	3
4	0.0	0.0	22	5.9	7.4	69	35	5.4	1.0	0.0	0.0	0.0	4
5	0.0	0.0	17	5.4	7.1	1120	33	4.3	1.5	0.0	0.0	0.0	5
6	0.0	0.0	14	5.0	8.4	1140	31	4.0	2.6	0.0	0.0	0.0	6
7	0.0	0.0	9.0E	4.8	65	528	30	4.0	4.3	0.0	0.0	0.0	7
8	0.0	0.0	8.5E	4.6	241	239	29	4.0	3.4	0.0	0.0	0.0	8
9	0.0	0.0	8.0E	3.9	316	150	27	4.0	2.4	0.0	0.0	0.0	9
10	0.0	0.0	7.1E	3.9	172	128	24	4.7	0.6	0.0	0.0	0.0	10
11	0.0	0.0	6.6E	4.0E	169	123 E	21	6.6	0.0	0.0	0.0	0.0	11
12	0.0	0.0	6.2E	4.0E	146	117 E	20	5.8	0.0	0.0	0.0	0.0	12
13	0.0	0.0	5.8E	4.7	746	114 E	19	5.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	5.0E	4.7	714	110 E	18	5.4	3.8	0.0	0.0	0.0	14
15	0.0	0.0	5.0E	3.6	1090 *	106 E	16	7.6	3.4	0.0	0.0	0.0	15
16	0.0	0.0	4.7E	3.7	366	100 E	15	6.6	2.6	0.0	0.0	0.0	16
17	0.0	0.0	4.3E	3.4	172	95 E	15	5.4	1.5	0.0	0.0	0.0	17
18	0.0	0.0	4.7#	4.2	319	93 E	14	5.8	0.6	0.0	0.0	0.0	18
19	0.0	0.0	17	49	228	87 E	13	5.0	0.1	0.0	0.0	0.0	19
20	0.0	0.0	73	203	129	84 E	13	4.3	0.0	0.0	0.0	0.0	20
21	0.0	0.0	59	54	96	82 E	11	4.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	33	52	77	78 E	9.9	4.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	24	41	65	71 E	8.1	4.0	0.0	0.0	0.0	0.0	23
24	0.0	11	21	23	58	68 E	7.6	4.0	0.0	0.0	0.0	0.0	24
25	0.0	16	17	20	56	68 E	6.6	4.7	0.0	0.0	0.0	0.0	25
26	0.0	12	15	15	56	64 E	6.3	4.0	0.0	0.0	0.0	0.0	26
27	0.0	8.5	13	12	55	59 E	6.4	3.7	0.0	0.0	0.0	0.0	27
28	0.0	5.8	12	10	56	56 E	9.6	3.4	0.0	0.0	0.0	0.0	28
29	0.0	5.0*	11	9.0		52 E	9.1	2.4	0.0	0.0	0.0	0.0	29
30	0.0	36	11	8.8		51 E	7.2	2.6	0.0	0.0	0.0	0.0	30
31	0.0		8.8	8.7		47 E		1.7		0.0	0.0		31
MEAN	0.0	3.1	29.1	19.1	194	173	19.3	4.8	1.0	0.0	0.0	0.0	MEAN
MAX.	0.0	36.0	270	203	1090	1140	45.0E	8.5	4.3	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	4.3E	3.4	7.1	47.0E	6.3	1.7	0.0	0.0	0.0	0.0	MIN.
AC. FT.		187	1787	1173	10790	10610	1150	295	59				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
36.0	3820	8.94	3	5	2240	0.0		10	1	0000	26050

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.& M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 19 00	122 27 37	SW32 29N 5W	14100E	10.19	4/5/58	MAR 58 - DATE	MAR 58 - DATE	1958		0.00	LOCAL

Station located at highway bridge, 10.7 mi. SW of Cottonwood. Tributary to Sacramento River via South Fork Cottonwood and Cottonwood Creek. Drainage area is 151 sq. mi.

TABLE 39
DAILY MEAN DISCHARGE

RED BANK CREEK NEAR RED BLUFF
IN SECOND FEET

STATION NO	WATER YEAR
403460	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	619 E	1.0	1.9*	93	16	1.9	0.5*	0.0	0.0	0.0	1
2	0.0	0.0	320 E	1.1	2.3	61 *	15 *	2.5	0.3	0.0	0.0	0.0	2
3	0.0	0.0	58	0.9	2.3	30	12	1.9*	0.2	0.0	0.0	0.0	3
4	0.0	0.0	39	0.8	2.2	24	10	1.6	0.0	0.0	0.0	0.0	4
5	0.0	0.0	26	0.6	2.3	846 E	8.9	1.3	0.0	0.0	0.0	0.0	5
6	0.0	0.0	19	0.6	2.4	1110 E	7.5	1.1	0.0	0.0	0.0	0.0	6
7	0.0	0.0	16	0.6	32	593	6.2	0.9	0.0	0.0	0.0	0.0	7
8	0.0	0.0	12	0.6	382 E	352	5.5	0.8	0.0	0.0	0.0	0.0	8
9	0.0	0.0	9.6	0.4	577 *	263	5.2	0.9	0.0	0.0	0.0	0.0	9
10	0.0	0.0	8.0	0.3	224	201	3.8	1.2	0.0	0.0	0.0	0.0	10
11	0.0	0.0	6.0	0.2	178	159	3.5	1.7	0.0	0.0	0.0	0.0	11
12	0.0	0.0	4.3	0.4	281 E	127	3.7	2.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	3.5	0.5	1450 E	103	3.8	1.7	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.7	0.4	765 E	94	3.6	1.9	0.0	0.0	0.0	0.0	14
15	0.0	0.0	2.0	0.2	833 E	84	3.4	2.7	0.0	0.0	0.0	0.0	15
16	0.0	0.0	1.4	0.2	325	75	2.9	2.7	0.0	0.0	0.0	0.0	16
17	0.0	0.0	1.2	0.2	179	72	2.6	1.8	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.9*	0.2	259	61	2.7	1.4	0.0	0.0	0.0	0.0	18
19	0.0	0.0	1.7	2.5	213	52	2.9	0.9	0.0	0.0	0.0	0.0	19
20	0.0	0.0	3.1	25	119	49	3.1	0.7	0.0	0.0	0.0	0.0	20
21	0.0	0.0	4.1	8.5	82	48	2.6	0.5	0.0	0.0	0.0	0.0	21
22	0.0	0.0	3.4	7.6	64	52	2.3	0.4	0.0	0.0	0.0	0.0	22
23	0.0	0.0	2.6	4.3	49	40	1.8	0.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	2.1	3.6	41	35	1.4	0.2	0.0	0.0	0.0	0.0	24
25	0.0	0.0	1.8	3.1	31	32	1.6	0.2	0.0	0.0	0.0	0.0	25
26	0.0	0.0	1.3	2.5	23	28	1.2	0.4	0.0	0.0	0.0	0.0	26
27	0.0	0.0	1.2	2.1	20	25	1.4	0.3	0.0	0.0	0.0	0.0	27
28	0.0	0.0	1.4	2.0	24	23	1.4	3.1	0.0	0.0	0.0	0.0	28
29	0.0	0.0	1.2	1.9		21	1.7	2.3	0.0	0.0	0.0	0.0	29
30	0.0	0.0	1.3	1.7		20	1.7	0.8	0.0	0.0	0.0	0.0	30
31	0.0		1.1	1.8		18		0.4		0.0	0.0		31
MEAN	0.0	0.0	37.9	2.4	220	155	4.6	1.3	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	619 E	25.0	1450 E	1110 E	16.0	3.1	0.5	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.9	0.2	1.9	18.0	1.2	0.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.			2330	150	12230	9503	276	80	2				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
33.9	2980 E	8.30	2	13	1120	0.0		10	1	0000	24570

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 05 23	122 24 45	SE22 26N 5W	5610		2/21/56	FEB 48-JUL 49 8 APR 50-APR 56 NOV 56-DATE	FEB 48-JUL 49 8 APR 50-APR 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Red Bank Road bridge, 11 mi. SW of Red Bluff.

8 - Irrigation season only

TABLE 40

DAILY MEAN DISCHARGE

NORTH FORK MILL CREEK NEAR LOS MOLINOS

IN SECOND FEET

STATION NO	WATER YEAR
A04440	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0•	4.9	2.9	3.6•	2.8•	5.1	3.5•	4.7•	3.1	0.0•	0.0	1
2	0.0	0.0	3.5	2.9	3.6	2.9	4.8•	3.8	4.7	2.7•	0.0	0.0	2
3	0.0	0.0	4.0	2.7	3.5	2.7	4.1	4.2	4.6	2.2	0.0	0.0	3
4	0.0	0.0	3.9	3.0	3.6	2.5	4.5	4.7	4.3	2.0	0.0	0.0	4
5	0.0•	0.0	3.9	3.5	3.6	2.6	4.3	5.2	4.0	0.8	0.0	0.0•	5
6	0.0	0.0	3.9	3.5	3.2	2.6	4.6	4.6E	4.2	0.9	0.0	0.0	6
7	0.0	0.0	3.5	4.0	3.4	2.6	4.9	4.6E	4.3	1.4	0.0	0.0	7
8	0.0	0.0	3.4	4.5	4.1	2.7	5.5	4.6E	4.0	1.2	0.0	0.0	8
9	0.0	0.0	3.2	4.5	4.0	2.5	5.4	4.6E	4.2	1.0	0.0	0.0	9
10	0.0	0.0	3.1	4.6	3.0	2.6	5.0	4.6E	4.3	0.8	0.0	0.0	10
11	0.0	0.0	2.9	4.3	3.0	2.6	5.7	4.6E	4.4	0.5	0.0	0.0	11
12	0.0	2.7	2.7	4.4	3.6	2.4	7.0	4.6E	4.1	0.4	0.0	0.0	12
13	0.0	6.5	2.8	4.4	2.9	3.0	6.2E	4.6E	4.3	0.3	0.0	0.0	13
14	0.0	9.6	2.8	4.5	2.2	3.3	5.8E	4.6E	3.9	0.3	0.0	0.0	14
15	0.0	11	2.7	5.3	1.9	3.3	5.4E	4.6E	3.9	0.2	0.0	0.0	15
16	0.0	14	2.6	6.0	2.7	3.4	5.3E	4.9	3.9	0.1	0.0	0.0	16
17	0.0	14 •	3.1	5.8	2.9	4.0	5.0E	4.5	4.0	0.0	0.0	0.0	17
18	0.0	14	2.6•	5.9	2.7	4.4	4.9E	4.3	4.0	0.0	0.0	0.0	18
19	0.0	14	3.0	6.2	2.7	4.3	5.0E	4.1	3.8	0.0	0.0	0.0	19
20	0.0	12	4.4	3.3	3.5	4.4	5.0E	3.8	3.7	0.0	0.0	0.0	20
21	0.0	12	3.0	3.4	3.9	4.1	4.8E	3.9	3.6	0.0	0.0	0.0	21
22	0.0	12	3.5	4.0	3.6	3.4	4.8E	3.8	3.5	0.0	0.0	0.0	22
23	0.0	9.9	3.9	4.1	4.0	3.3	4.6E	4.1	3.6	0.0	0.0	0.0	23
24	0.0	12	4.1	4.0	4.4	4.0	4.4E	3.7	3.4	0.0•	0.0	0.0	24
25	0.0	8.1	3.7	3.9	3.4	4.1	4.2E	3.5	2.4	0.0	0.0	0.0	25
26	0.0	5.2	3.4	3.0	3.1	4.8	4.0E	3.3	3.1	0.0	0.0	0.0	26
27	0.0	4.8	3.5	3.6	2.8	4.4	4.0E	3.2	4.2	0.0	0.0	0.0	27
28	0.0	4.1	3.5	3.5	2.9	3.9	3.9E	3.7	3.8	0.0	0.0	0.0	28
29	0.0	7.0•	3.5	3.7		4.2	3.5E	4.0	3.6	0.0	0.0	0.0	29
30	0.0	7.0	3.2	3.7		4.2	3.5E	4.3	3.5	0.0	0.0	0.0	30
31	0.0		2.9	3.8		4.8		4.6		0.0	0.0		31
MEAN	0.0	6.0	3.4	4.1	3.3	3.4	4.8	4.2	3.9	0.6	0.0	0.0	MEAN
MAX.	0.0	14.0	4.9	6.2	4.4	4.8	7.0	5.2	4.7	3.1	0.0	0.0	MAX.
MIN.	0.0	0.0	2.6	2.7	1.9	2.4	3.5E	3.2	2.4	0.0	0.0	0.0	MIN.
AC. FT.		357	208	252	182	212	288	260	234	36			AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
2.8	16.0	3.40	11	15	1540	0.0		10	1	0000	2028

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 03 05	122 05 11	NE 4 25N 2W	52E	3.74	12/1/60	APR 59 - DATE	APR 59 - DATE	1959		0.00	LOCAL

Station located 0.2 mi. E. of Shasta Ave. bridge, 2.1 mi. N. of Los Molinos. This is regulated diversion from Mill Creek to Sacramento River.

TABLE 41

DAILY MEAN DISCHARGE

SACRAMENTO RIVER AT VINA BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
A02700	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6870	6620	32400	5000	5010	15700	8530	9930	8860	9860	10200	8940	1
2	5960	6120	57200	4930	5040	19800	8630	9900	8790	9860	10200	8980	2
3	5830	6130	19800	4880	5010	17600	8570	9900	8760	9820	10200	8970	3
4	5850	6100	10400	4800	4940	15900	8450	9920	8750	9800	10300	8970	4
5	5920 *	6010	8030	4810	4920	19400	8470	9910	8750	9670	10300	8980	5
6	5900	6020	7020	4750	4930	65000	8340	9800	9120	9600	10300	8730	6
7	5830	5990 *	6300 *	4700	6490	42000	8360	9800	9370	9630	10400	8370	7
8	5880	6000	5840	4710	12300	27500	8350	9810	9460	9670	10500	7880	8
9	5950	5930	5600	4720	29000	22300	8370	9880	9660	9750	10600	7470	9
10	5990	5960	5300	4750	34600	19000	7980 *	9850	9970	9650	10600	7260	10
11	6140	6070	5190	4690 *	25700	16700	7480	9360	9940	9660 *	10600	7220	11
12	6330	6010	5040	4760	21600	14900	7840	9090	9860	9670	10600	6970	12
13	6350	5940	5070	4720	52300	13100 *	8200	9140	9860 *	9630	10600	6700 *	13
14	6270	5950	4980	4680	64100	11700	8420	8990	10400	9580	10400	6720	14
15	6190	5930	4940	4540	85400	10500	8520	8860	10400	9740	10400	6710	15
16	6130	5950	4900	4540	52400	9460	8390	8800	10400	9870	10500	6740	16
17	5990	5930	4960	4540	36300	8570	8100	8700	10300	9880	10500	6760	17
18	5970	6030	5310	4560	31000	8230	7880	8640	10200	9900	10500	6740	18
19	5990	6000	6700	6780	34300	7890	7860	8620	10100	9880	10500	6740	19
20	6080	6250	21800	27000	24500	7770	7920	8530	10000	9940	10500 *	6770	20
21	6160	6110	22900	13200	21300	7960	7600	8430 *	9910	9960	10500	6810	21
22	6190	6120	12200	7830	19100	8440	8200	8400	9850	9940	10500	6810	22
23	6230	6140	8660	6510	17700	9750	8210	8420	9800	10000	10500	6610	23
24	6230	6250	7480	6160	17000	8460	8560	8530	9730	10100	10500	6510	24
25	6230	10600	6690	5850	16200	8080	8950	8770	9680	10100	10500	6430	25
26	6370	13100	6150	5690	15400 *	7860	9410	8860	9590	10000	10500	6420	26
27	6680	9200	5770	5400	14900	7930	9690	8870	9980	10100	10500	6490	27
28	6790	7270	5510	5250	14800	8050	10500	8830	9960	10200	10300	6660	28
29	6760	7230	5280	5170		8320	10600	8810	9890	10200	9790	6760	29
30	6630	11600*	5150	5100		8540	10200	8850	9860	10200	9350	6740	30
31	6650		5060	5030		8540		8850		10200	9070		31
MEAN	6205	6819	10250	6131	24150	15000	8553	9131	9707	9873	10350	7295	MEAN
MAX.	6870	13100	57200	27000	85400	65000	10600	9930	10400	10200	10600	8980	MAX.
MIN.	5830	5930	4900	4540	4920	7770	7480	8400	8750	9580	9070	6420	MIN.
AC. FT.	381500	405700	630000	377000	1341000	922200	508900	561400	577600	607100	636100	434100	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10200	91600	83.17	2	15	0810	4470	65.95	1	15	1720	7383000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	APR 45 - DATE	APR 45 - DATE	1945 1945		100.00 97.15	USED USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.

TABLE 42

DAILY MEAN DISCHARGE

SACRAMENTO RIVER AT HAMILTON CITY

IN SECOND FEET

STATION NO	WATER YEAR
AU2630	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6070	5710	23500	5130	4780	14800	8520	7590	6820	8030	8160	7060	1
2	5530	5380	57400	5060	4800	18600	8570	7540	6730	8040	8180	7170	2
3	5340	5390	23100	4960	4770	17500	8550	7440	6620	7990	8230	7200	3
4	5250	5380	11800	4880	4700	15700	8360	7460	6640	7990	8310	7260	4
5	5310 •	5310	8690	4670	4670	16200	8220	7450	6590	7830	8280	7350	5
6	5290	5290	7440	4820	4690	56800	8020	7280	6870	7730	8210	7420	6
7	5260	5290 •	6820 •	4800	5220	45500	7870	7270	7090	7780	8200	7150	7
8	5220	5350	6410	4670	9990	28400	7710	7320	7190	7830	8260	6890	8
9	5270	5350	6160	4700	23100	22600	7690	7440	7290	8000	8370	6560	9
10	5280	5350	5930	4600	32600	19500	7200 •	7530	7620	7930	8440	6300	10
11	5400	5390	5740	4620 •	24900	17200	6420	7200	7720	7920	8440	6290	11
12	5600	5430	5590	4610	19800	15100	6170	6870	7600	7870 •	8420	6220	12
13	5630	5400	5530	4610	43100	13500 •	6310	6890	7550 •	7890	8420	5900 •	13
14	5590	5430	5480	4580	60800	12100	6530	6820	7920	7880	8360	5880	14
15	5480	5380	5430	4490	79500	10900	6630	6700	8090	7950	8290	5910	15
16	5400	5400	5360	4420	58700	9710	6590	6610	8120	8170	8320	5860	16
17	5290	5400	5390	4420	35100	8770	6100	6520	8110	8180	8320	5920	17
18	5220	5500	5540	4420	28400	8410	5730	6430	8130	8100	8300	6120	18
19	5260	5490	5950	4800	34100	8020	5620	6420	8060	8050	8340	6190	19
20	5280	5700	18000	21800	24300	7850	5700	6360	7980	8130	8340	6160	20
21	5400	5790	22200	14100	20800	7940	5370	6310 •	7860	8180	8370 •	6160	21
22	5360	5780	13100	8090	18800	8130	5800	6210	7750	8190	8330	6240	22
23	5410	5840	9030	6150	17400	9820	5920	6220	7690	8140	8320	6110	23
24	5410	6040	7500	5760	16700	8730	6100	6340	7670	8150	8270	6000	24
25	5400	8660	6740	5540	15900	8110	6500	6620	7650	8150	8360	5970	25
26	5460	13500	6290	5340	15000	7910	6870	6680	7620	8020	8360	5890	26
27	5700	9880	5910	5130	14400 •	7920	7230	6710	7880	8110	8350	5930	27
28	5750	7730	5640	5020	14200	7970	7830	6700	8050	8180	8220	6060	28
29	5790	7250	5470	4900		8230	8370	6680	8000	8190	7780	6170	29
30	5730	11200	5310	4860		8470	8040	6840	8000	8200	7440	6280	30
31	5720		5210	4840		8530		6880		8250	7230		31
MEAN	5455	6333	10250	5838	22900	14800	7018	6882	7564	8034	8234	6389	MEAN
MAX.	6070	13500	57400	21800	79500	56800	8570	7590	8130	8250	8440	7420	MAX.
MIN.	5220	5290	5210	4420	4670	7850	5370	6210	6590	7730	7230	5880	MIN.
AC. FT.	335400	376800	630100	359000	1272000	910300	417600	423100	450100	494000	506300	380200	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9053	86500	42.64	2	15	1320	4410	27.3	1	16	0000	6555000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 45 07	121 59 43	NE20 22N 1W	350000E	22.6	2/28/40	APR 45 - DATE	27 - DATE	1927	1945	127.9	USED
								1945		100.00	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

TABLE 43

DAILY MEAN DISCHARGE

GRINDSTONE CREEK NEAR ELK CREEK

IN SECOND FEET

STATION NO	WATER YEAR
431300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.8	1.0	281	24	50	112	410	126	50	11	0.7	0.5	1
2	0.8	1.6	146	22	43	102	408	132	50	10	0.7	0.6	2
3	0.8	1.9	68	20	35	87	386	122	48	9.6	0.7	0.6	3
4	0.8	1.9	44	20	25	76	390	128	46	9.2	0.7	0.6	4
5	0.9	1.6	30	19	23	387 E	378	100	42	7.9	0.7	0.6	5
6	0.9	1.7	27	18	27	769 E	371	97	39	6.5	0.7	0.6	6
7	0.9	1.8	23	20	84 *	487	367	89	40	6.0	0.7	0.6	7
8	1.0	1.8	17	22	197	328	361	83	39	5.7	0.7	0.6	8
9	0.9	1.6	16	19	437	301	340	81	34	5.2	0.8	0.7	9
10	0.9	1.7	15	21	454	266	288	74	34	5.3	1.4	0.6	10
11	1.0	1.8	14	34	315	235	266	66	34	4.3	1.2	0.7	11
12	1.1	1.7	15	28	247	210	261	54	32	3.9	1.3	0.8	12
13	1.0	1.7	13	26	1160 E	199	266	55	29	4.0	0.9	0.8	13
14	1.0	1.7	13	25	798 #	197	266	71 *	29 *	3.6	0.7	0.7	14
15	1.0	1.9*	13	21	1080 E	191	254	73	30	3.3	0.7	0.7	15
16	0.9	1.7	13	17	642 E	193	232	71	26	2.6	0.7	0.7	16
17	1.0	1.8	12	19	406	187	221 *	68	23	2.7	0.7	0.7	17
18	0.9	1.8	15 *	20	343	190	210	68	23	2.7	0.7	0.6	18
19	0.9	2.2	37	81 *	283	201	201	68	22	2.3	0.7	0.7	19
20	0.9	3.2	252	291	242	215	187	60	21	2.2	0.7	0.7	20
21	0.9	3.1	208	115	201	205	174	58	18	2.0	0.7	0.8	21
22	1.0	2.8	125	106	180	219	168	59	16 *	1.8	0.7	0.8	22
23	1.0	3.7	78	55	174	203	170	59	15	1.7	0.7	0.8	23
24	1.0	14	58	48	159	187	163	52	16	1.4*	0.7	0.7	24
25	0.9	107	45	47	148	177	156	56	15	1.3	0.7	0.7	25
26	1.2	46	41	41	136	234 *	151	49	14	1.1	0.6	0.7	26
27	1.1	22	38	44	115	294	162	58	13	0.8	0.6	0.8*	27
28	1.0	14	30	40	107	338	179	50	13	0.9	0.7*	0.9	28
29	0.9	16	28	41		397	142	51	12	0.8	0.7	1.0	29
30	0.9	86	25	48		421	131	57	12	0.9	0.6	1.1	30
31	0.8		22	50		403		50		0.9	0.6		31
MEAN	0.9	11.7	56.8	45.2	290	258	255	73.7	27.8	3.9	0.8	0.7	MEAN
MAX.	1.2	107	281	291	1160 E	769 E	410	132	50.0	11.0	1.4	1.1	MAX.
MIN.	0.8	1.0	12.0	17.0	23.0	76.0	131	49.0	12.0	0.8	0.6	0.5	MIN.
AC. FT.	58	696	3495	2781	16090	15890	15190	4532	1656	241	46	42	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
\# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
83.9	1770 E	3.86	2	13	1410	0.3	1.77	9	7	0000	60720

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 41	122 32	SW15 21N 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	AUG 52-MAR 57 AUG 59-DATE				

Station located at Chrome Road bridge, 5.1 mi. N. of Elk Creek. Tributary to Sacramento River via Stony Creek. Recorder reactivated August 6, 1959.

TABLE 44

DAILY MEAN DISCHARGE

LITTLE CHICO CREEK NEAR CHICO

IN SECOND FEET

STATION NO	WATER YEAR
A04280	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.5	269	7.1	8.7	52	19	7.2	3.9	1.4	0.0	0.0	1
2	0.0	0.8	120	7.4	7.7	60	19	7.2	3.6	1.2	0.0	0.0	2
3	0.0	0.8	30	7.1	7.4	58	17	6.5	3.4	1.2	0.0	0.0	3
4	0.0	1.0	15	6.9	7.4	52	15	6.0	3.3	0.9	0.0	0.0	4
5	0.0	0.9	11	6.7	7.7	99	15	5.5	3.0	0.8	0.0	0.0	5
6	0.0	0.7	10	6.2	8.5	509	15	5.4	2.6	0.8	0.0	0.0	6
7	0.0	0.9	7.8	6.5	39	260 *	15	5.0	1.9	0.7	0.0	0.0	7
8	0.0	0.8	6.6	6.0	135	164	14	5.0	2.4	0.7	0.0	0.0	8
9	0.0	0.8	6.7	4.5	368	120	14	5.2	1.9	0.6	0.0	0.0	9
10	0.0	0.9	6.5	4.2	157	95	14	5.0	2.1	0.1	0.0	0.0	10
11	0.0	1.2	5.4	4.6	87	80	14	5.0*	2.4	0.0	0.0	0.0	11
12	0.0	0.9	5.2	5.0	140	69	13	4.8	1.8	0.0	0.0	0.0	12
13	0.0	0.8*	4.8	5.2	836 *	60	13 *	4.6	1.6	0.0	0.0	0.0	13
14	0.0	0.8	5.0	3.9	587	53	12	5.2	4.0	0.0	0.0	0.0	14
15	0.0	0.9	5.2	4.0	624	46	12	5.1	3.4	0.0	0.0	0.0	15
16	0.0	0.4	4.8	4.2	269	42	12	5.0	2.9	0.0	0.0	0.0	16
17	0.0	0.6	10	4.0	172	40	12	4.2	2.6	0.0	0.0	0.0	17
18	0.0	0.7	14	3.6	187	38	10	4.6	2.1	0.0	0.0	0.0	18
19	0.0	0.8	33 *	193	158	35	13	4.8	1.7	0.0	0.0	0.0	19
20	0.0	1.7	40	150	117	33	13	4.4	1.3*	0.0	0.0	0.0	20
21	0.4	0.8	33	51	89	32	11	4.2	1.0	0.0	0.0	0.0	21
22	0.6	0.5	23	28 *	71	43	9.7	4.0	1.1	0.0	0.0	0.0	22
23	0.6	0.8	17	21	63	46	9.7	4.2	1.0	0.0	0.0	0.0	23
24	0.6	0.7	14	17	61	36	9.6	4.2	1.1	0.0	0.0	0.0	24
25	0.4	5.7	12	16	56	31	9.3	4.6	0.8	0.0	0.0	0.0	25
26	0.5	9.9	10	13	50	29	8.9	4.7	0.8	0.0	0.0	0.0	26
27	0.9	6.1*	10	12	43	26	9.7	4.3	0.9	0.0	0.0	0.0	27
28	0.9	2.3	9.4	11	42	24	9.9	4.3	1.1	0.0	0.0	0.0	28
29	0.7	12	9.2	10		22 *	8.4	4.2	0.9	0.0	0.0	0.0	29
30	0.5	31	8.4	9.7		22	7.9	4.0	1.2	0.0	0.0	0.0	30
31	0.4		7.6	8.9		20		4.3		0.0	0.0		31
MEAN	0.2	2.9	24.6	20.6	157	74.1	12.5	4.9	2.1	0.3	0.0	0.0	MEAN
MAX.	0.9	31.0	269	193	836	509	19.0	7.2	4.0	1.4	0.0	0.0	MAX.
MIN.	0.0	0.4	4.8	3.6	7.4	20.0	7.9	4.0	0.8	0.0	0.0	0.0	MIN.
AC. FT.	13	172	1515	1265	8724	4554	744	303	123	17			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
24.1	1150	4.59	2	13	1110	0.0		10	1	0000	17430

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		OATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. OATUM
39 44 01	121 46 16	NE29 22N 2E	1150	4.59	2/13/62	JAN 59 - DATE	DEC 58 - DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S. of Stilson Rd., 3.6 mi. E. of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion.

TABLE 45

DAILY MEAN DISCHARGE

LITTLE CHICO CREEK DIVERSION NEAR CHICO

IN SECOND FEET

STATION NO	WATER YEAR
A04910	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	54 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					190								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
0.3	233	4.59	2	13	1110	0.0		10	1	0000	190

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
			356E	4.88	2/16/59	JAN 59 - DATE					

See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, during periods of high water, into Butte Creek.

TABLE 46

DAILY MEAN DISCHARGE

BIG CHICO CREEK AT CHICO

IN SECOND FEET

STATION NO	WATER YEAR
404250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	5.6E	520	14	16 E	76	37	12	15	7.1	NR	0.0	1
2	1.3	6.8E	517	13	16 E	86	37	11	13	4.1	NR	0.0	2
3	0.3	7.8	231	13	16 E	81	33	9.2	16	3.2	NR	0.0	3
4	0.9	7.4	120	13	13	75	28	6.2	3.4	3.4	NR	0.0	4
5	0.1	6.9	58	13	13	112	27	6.0	12	3.6	NR	0.9	5
6	0.5	6.2	51	11	13	535	24	7.0	14	3.1	NR	0.0	6
7	0.0	7.7	42	11	36	367 •	24	7.5	12	3.0	0.0	0.0	7
8	1.5	6.2	29 •	9.5	127	258	24	7.7	12	5.4	0.0	0.0	8
9	2.4	6.1	19	9.4	414	211	23	7.2	12	3.1	0.6	0.0	9
10	3.4	7.1	16	10	406	178	19	7.0	15	1.8	1.8	0.0	10
11	6.0	7.8	15	8.6	256	154	17	7.2•	9.4	2.5	1.5	0.0	11
12	7.0	7.5	13	9.3	248	133	15	7.4	11	2.6	1.0	0.0	12
13	4.9	6.0•	12	9.6	998	119	14	6.8	11	2.7	0.9	0.0	13
14	3.3	5.1	12	8.3	770	102	14	7.1	17	2.5	0.0	0.0	14
15	2.8	6.1	12	8.2	895	89	12	8.7	16	4.3	0.0	0.0	15
16	1.5	8.7	11	9.3	500	79	12	8.2	15	2.6	0.0	0.0	16
17	1.1	9.9	17	7.4	316	68	11	7.7	17	1.5	0.0	0.0	17
18	0.9	9.9	23	7.8•	241	59	7.1•	12	9.5	NR	0.0	0.0	18
19	1.2	12	33	80	202	54	9.5	1.0	11	NR	1.3	0.0	19
20	2.5	15	74	267	161	50	11	0.0	8.4	NR	0.0	0.0	20
21	4.2	16	89	129 E	132	47	8.8	0.3	7.4•	NR	0.0	0.0	21
22	4.4	14	67	40 E	107	87	6.9	6.9	6.9	NR	0.0	1.4	22
23	4.0•	14	46	16 E	83	105	7.1	8.1	7.8	NR	0.0	0.1	23
24	4.2	19	35	16 E	69	87	14	9.6	11	NR	0.0	0.5	24
25	4.0	55	30	16 E	54	71	14	8.6	5.0	NR	0.0	0.0	25
26	4.9	79	25	16 E	42	63	14	13	4.8	NR	1.1	0.0	26
27	6.5	52 •	21	16 E	36	57	13	20	4.9	NR	0.0	0.3	27
28	7.5	26	19	16 E	33	51	18	17	4.7	NR	0.0	1.9	28
29	8.0	49	18	16 E		46 •	16	18	4.4	NR	0.0	2.5	29
30	6.1	190	16	16 E		43	14	18	4.5	NR	0.0	2.1	30
31	5.8		15	16 E		40		17		NR	0.0		31
MEAN	3.3	22.3	71.2	27.3	222	116	17.5	9.1	10.4	NR	NR	0.3	MEAN
MAX.	8.0	190	520	267	998	535	37.0	20.0	17.0	NR	NR	2.5	MAX.
MIN.	0.0	5.1	11.0	7.4	13.0	40.0	6.9	0.0	3.4	NR	NR	0.0	MIN.
AC. FT.	204	1329	4376	1677	12320	7107	1040	562	617	NR	NR	19	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	1360	9.53	2	13	1730	0.0		10	2	2000	NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 38	121 51 43	SE28 22N 1E				JAN 56 - DATE	JAN 56 - DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway Bridge, immediately W. of Chico. Tributary to Sacramento River. For total flow of Big Chico Creek near Mouth, combine with flow of Lindo Channel near Chico.

TABLE 47

DAILY MEAN DISCHARGE

LINDO CHANNEL NEAR CHICO

IN SECOND FEET

STATION NO	WATER YEAR
A00600	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	239	8.5	27	148	121	26	0.0	0.0	0.0	0.0	1
2	0.0	0.0	424	7.8	27	159	118	25	0.0	0.0	0.0	0.0	2
3	0.0	0.0	46	7.2	28	156	115	24	0.0	0.0	0.0	0.0	3
4	0.0	0.0	22	6.5	26	148	107	25	0.0	0.0	0.0	0.0	4
5	0.0	0.0	39	5.7	25	181	102	23	0.0	0.0	0.0	0.0	5
6	0.0	0.0	24	5.4	29	829	98	22	0.0	0.0	0.0	0.0	6
7	0.0	0.0	17	4.7	58	536 *	95	20	0.0	0.0	0.0	0.0	7
8	0.0	0.0	12 *	4.5	158	375	94	18	0.0	0.0	0.0	0.0	8
9	0.0	0.0	8.6	3.7	704	309	90	18	0.0	0.0	0.0	0.0	9
10	0.0	0.0	6.6	3.1	765	274	85	17	0.0	0.0	0.0	0.0	10
11	0.0	0.0	5.0	2.5	440	237	79	16 *	0.0	0.0	0.0	0.0	11
12	0.0	0.0	3.7	4.6	390	210	74	15	0.0	0.0	0.0	0.0	12
13	0.0	0.0	3.4	4.2	1640	190	70	16	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.8	2.3	1390	177	67	16	0.0	0.0	0.0	0.0	14
15	0.0	0.0	2.3	1.7	1630	166	65	16	0.0	0.0	0.0	0.0	15
16	0.0	0.0	1.6	2.6	890	156	60	16	0.0	0.0	0.0	0.0	16
17	0.0	0.0	7.7	2.2	514	147	58	14	0.0	0.0	0.0	0.0	17
18	0.0	0.0	13	2.3*	401	139	55 *	4.2	0.0	0.0	0.0	0.0	18
19	0.0	0.0	28	82	338	133	60	18	0.0	0.0	0.0	0.0	19
20	0.0	0.0	71	390	282	133	65	19	0.0	0.0	0.0	0.0	20
21	0.0	0.0	76	139	241	129	56	15	0.0	0.0	0.0	0.0	21
22	0.0	0.0	58	82	210	169	51	2.3	0.0	0.0	0.0	0.0	22
23	0.0	0.0	42	56	194	191	46	2.6	0.0	0.0	0.0	0.0	23
24	0.0	0.0	35	45	181	175	35	1.6	0.0	0.0	0.0	0.0	24
25	0.0	0.0	28	38	169	161	32	1.4	0.0	0.0	0.0	0.0	25
26	0.0	0.0	22	34	157	154	31	2.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	18	30	145	146	30	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	16	29	143	140	35	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	14	28		136	32	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	12	28		132	28	0.0	0.0	0.0	0.0	0.0	30
31	0.0		10	28		127		0.0		0.0	0.0		31
MEAN	0.0	0.0	42.2	35.1	400	209	68.5	12.7	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	424	390	1640	829	121	26.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.6	1.7	25.0	127	28.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			2594	2159	22220	12820	4076	780					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
61.7	2070	17.41	2	13	1750	0.0		10	1	0000	44640

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 21	121 54 41	NW31 22N 1E				JAN 56 - DATE	JAN 56 - DATE	1956		128.42	USED

Station located 100 ft. below Grape Way bridge, 4.0 mi. W. of Chico. Tributary to Sacramento River via Big Chico Creek. For total flow of Big Chico Creek near Mouth, combine with flow of Big Chico Creek at Chico.

TABLE 48

DAILY MEAN DISCHARGE

SACRAMENTO RIVER AT ORD FERRY

IN SECOND FEET

STATION NO	WATER YEAR
402570	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5820	5670	18200	5220	5100	16100	8940	7750	7130	8130	8200	7140	1
2	5430	5460	62200 E	5180	5100	19000	8980	7680	7090	8160	8210	7240	2
3	5140	5390	29100 E	5080	5120	18900	8920	7590	7010	8070	8210	7290	3
4	5010 •	5400	13600	5030	5090	17200	8820	7610	7070	8040	8290	7370	4
5	5020	5340	9540	4990	5050	16900	8650	7610	6980	7920	8270	7450	5
6	5040	5280	8140	4950	5050	53800 E	8530	7480	7210	7830	8220	7490	6
7	5030	5320	7290	4880	5350	62300 E	8260	7460	7480	7840	8260	7210	7
8	5030	5310 •	6740	4810	9380	35800	8150	7480	7630	7890	8300	6980	8
9	5060	5310	6380	4810	21500	27400	8030	7600	7680	8010	8410	6660	9
10	5090	5320	6130	4800	35800	23300	7680	7740	8110	7940	8510	6390	10
11	5170	5340	5930 •	4750	28600	20500	6900 •	7500	8160	7890	8490	6330	11
12	5310	5380	5800	4740 •	22600	18000	6490	7120	8090	7880 •	8450	6280	12
13	5360	5350	5670	4730	42800 E	16100	6610	7120	8100	7860	8420	6020	13
14	5370	5370	5590	4710	72000 E	14400 •	6760	7080	8420 •	7850	8400	6040 •	14
15	5300	5360	5540	4650	82400 E	12800	6880	6980	8630	7880	8330	6060	15
16	5240	5350	5490	4590	77400 E	11600	6850	6910	8670	8100	8400	6030	16
17	5170	5340	5440	4600	41600	10600	6420	6780	8590	8180	8380	6050	17
18	5110	5430	5510	4590	32200	10000	6000	6710	8570	8120	8350	6140	18
19	5120	5440	5750	4730	38300	9540	5840	6680	8470	8060	8380	6180	19
20	5150	5500	15200	19300	28900	9170	5900	6620	8360	8110	8390	6170	20
21	5290	5620	23300	17000	24300	9120	5690	6530	8280	8190	8380 •	6170	21
22	5280	5600	15100	9280	21500	9210	5910	6440 •	8130	8150	8410	6290	22
23	5340	5590	9920	6820	19800	10900	6050	6440	8020	8090	8400	6190	23
24	5340	5740	8080	6200	18700	10100	6120	6580	7980	8100	8400	6060	24
25	5350	7040	7170	5950	17800	9410	6590	6790	7930	8110	8480	6020	25
26	5380	12900	6540	5710	16900	9090	6810	6910	7840	7990	8510	5990	26
27	5530	10100	6130	5490	16100 •	9020	7170	7000	7990	8020	8480	6040	27
28	5670	7840	5820	5350	15700	8890	7650	6980	8220	8100	8410	6080	28
29	5730	7080	5630	5230		8720	8280	7000	8160	8100	8010	6170	29
30	5680	10400	5450	5170		8930	8040	7120	8130	8140	7550	6300	30
21	5660		5320	5150		8980		7160		8190	7300		21
MEAN	5297	6186	10700	6080	25720	16960	7264	7111	7938	8030	8297	6461	MEAN
MAX.	5820	12900	62200 E	19300	82400 E	62300 E	8980	7750	8670	8190	8510	7490	MAX.
MIN.	5010	5280	5320	4590	5050	8720	5690	6440	6980	7830	7300	5990	MIN.
AC. FT.	325700	368100	657900	373900	1428000	1043000	432200	437300	472300	493800	510100	384500	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
9568	97500 E	63.88	2	15	2400	4570	45.49	1	16	2400	6927000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 37 39	121 59 28	SE32 21N 1W	370000	121.7	2/28/40	JAN 48 - DATE	21-MAY 27# FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41# NOV 41-DATE	1937		0.00	USED

Station located 0.1 mi. below Ord Ferry. Records of flow in excess of 70,000 c.f.s. are based on extension of rating curve and correlation with adjacent gaging stations because of inability to measure flow above this figure.

- Flood season only

TABLE 49

DAILY MEAN DISCHARGE

MOULTON WEIR SPILL TO BUTTE BASIN

IN SECOND FEET

STATION NO	WATER YEAR
A02986	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	230	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	5270	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	737	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	256	7.5	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	5270	230	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					14200	458							AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
20.2	6230	79.25	2	16	1400	0.0		10	1	0000	14660

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40 - DATE #	JAN 35 - DATE#	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S. of Princeton. Elevation of weir crest is 76.75 ft. U.S.E.D. datum; length of crest is 500 ft.

- Flood season only

TABLE 50

DAILY MEAN DISCHARGE

SACRAMENTO RIVER OPPOSITE MOULTON WEIR

IN SECOND FEET

STATION NO.	WATER YEAR
A02450	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6050					15600	8950	7310	6610	7470	7820	6900	1
2	5900					16900	8920	7180	6580	7490	7760	6930	2
3	5490					18900	8910	7120	6500	7500	7790	7010	3
4	5290					17400	8840	7080	6480	7450	7840	7080	4
5	5250					16600	8720	7070	6400	7410	7870	7120	5
6	5260 *					27000	8670	7010	6450	7370	7830	7210	6
7	5270					46900	8380	6930	6580	7340	7790	7110	7
8	5260					41800	8330	6920	6700	7490	7870	6900	8
9	5260					31200	8090	6960	6730	7510	7990	6660	9
10	5270					25500	7910	7180	6950	7560	8070	6320	10
11	5330	NOT	NOT	NOT	NOT	21600	7220 *	7120	7140	7500	8020	6150	11
12	5470					19100	6580	6790	7120 *	7550	8050	6090	12
12	5590					17000	6520	6640	7020	7520 *	8010	5930	12
14	5620	COMPUTED	COMPUTED	COMPUTED	COMPUTED	15300 *	6540	6660	7180	7530	8010	5810 *	14
15	5580					13800	6620	6540	7490	7550	7970	5840	15
16	5520					12400	6670	6580	7600	7690	7970	5830	16
17	5450					11300	6350	6480	7600	7760	7980	5830	17
18	5330					10600	5850	6340	7610	7750	7960	5870	18
19	5310					10000	5520	6290	7560	7680	7970	5990	19
20	5340					9560	5500	6280	7510	7670	8010 *	6010	20
21	5410					9170	5410	6180	7410	7770	7960	6010	21
22	5460					9210	5310	6130 *	7320	7780	7970	6040	22
22	5480					10200	5630	6060	7200	7750	7960	6030	22
24	5500					10600	5570	6060	7140	7750	7950	5870	24
25	5500					9720	5880	6170	7160	7780	7980	5810	25
26	5510					9170	6070	6360	7110	7720	7990	5790	26
27	5590					8990	6460	6470	7180	7660	7960	5770	27
28	5800					8980	6740	6500	7420	7730	7940	5820	28
29	5850					8600	7540	6480	7430	7740	7710	5850	29
30	5850					8780	7620	6490	7410	7750	7390	5900	30
21	5800					8940		6580		7810	7100		31
MEAN	5503					16160	7044	6644	7086	7614	7887	6249	MEAN
MAX.	6050					46900	8950	7310	7610	7810	8070	7210	MAX.
MIN.	5250					8600	5310	6060	6400	7340	7100	5770	MIN.
AC. FT.	338400					993400	419100	408500	421700	468200	484900	371900	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUBEMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42	MAR 54-DATE E	OCT 22-MAY 40# JUL 40-JUL 41 NOV 41-JUL 43# OCT 43-DATE			0.00	USED

Station located immediately W. of weir, 4.8 mi. S. of Princeton. Flow computed for irrigation season only.

E - Irrigation season only

- Flood season only

TABLE 51

DAILY MEAN DISCHARGE

COLUSA WEIR SPILL TO BUTTE BASIN

IN SECOND FEET

STATION NO	WATER YEAR
A02981	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	2470	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	11200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	1310	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	21900	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	17300	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	2520	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	15000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	26600 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	39700 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	26200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	8100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	4800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	3890	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	443	0.0	4449	1388	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	11200	0.0	39700	21900	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			27260		247100	85350							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
496	42000	66.31	2	16	1500	0.0		10	1	0000	359700

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at N. end of weir, 2.0 mi. N. of Colusa. Elevation of weir crest is 61.80 ft. U.S.E.D. datum; length of crest is 1,650 ft.

- Flood season only

TABLE 52

DAILY MEAN DISCHARGE

BUTTE CREEK NEAR DURHAM

IN SECOND FEET

STATION NO	WATER YEAR
A04265	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.3	23	3400 E	103	201	334	613	255	157	18	4.6	3.2	1
2	3.8	24	2970 E	103	198	463	624	252	155	18	4.9	3.2	2
3	4.6	22	417	93	209	416	654	291	152	17	4.8	3.5	3
4	4.2	21	234	90	225	375	674	322	144	21	4.8	3.6	4
5	2.4	25	186	88	222	481	683	374	138	23	5.1	3.2	5
6	2.2	30	155	88	246	1910	686	416	112	23	5.0	2.7	6
7	3.1	28	135	88	438	1380	695	439	94	23	5.3	2.8	7
8	9.5	24	122 •	84	908	982	709	449	75	24	4.4	3.2	8
9	8.6	19	116	84	2320	839	705	449	67	26	4.6	3.6	9
10	18	19	110	81	2290	745	634	412	64	22	5.3	3.8	10
11	40	20	104	85	1300	689	561	333	55	19	5.3	3.4	11
12	28	21	94	90	1160	602	536	298	52	18	5.0	3.2	12
13	17	20 •	82	90	3390	513	595	291	50	13	5.2	3.2	13
14	8.8	19	81	85	2870 •	463	622	267	57	12	4.6	6.5	14
15	6.7	11	85	87	3790	445	612	236 •	68	17	4.2	6.8	15
16	2.9	8.9	83	86	2300	428 •	508	240	60	12	4.2	6.6	16
17	2.6	4.4	107	87	1580	412	438	231	55	14	3.6	6.9	17
18	2.1	4.8	115	84 •	1290	384	403 •	232	52	12	3.5	22	18
19	1.7	6.1	148	1030 E	1140	383	432	224	49	11	3.4	30	19
20	7.7	16	251	1680 E	964	400	427	205	48 •	9.7	3.9	30	20
21	23	28	316	325	833	383	386	187	45	9.8	3.8	31	21
22	23	29	241	223	734	618	365	180	29	8.4	3.9	31	22
23	18 •	43	195	188	667	647	385	183	30	6.7•	3.8	32	23
24	21	56	159	184	648	522	411	189	21	5.9	3.4	26	24
25	22	128	148	175	525	465	399	173	24	5.2	4.1	22	25
26	23	185	129	166	429	464	375	168	20	5.5	4.0	17 •	26
27	27	136 •	107	166	365	477	366	174	18	4.5	3.8•	23	27
28	35	69	122	161	321	501	512	169	17	5.2	3.9	31	28
29	31	113	110	164		505	369	174	17	5.1	4.0	42	29
30	25	460	103	187		516	299	169	16	5.3	4.0	39	30
31	25		101	202		539		161		5.4	3.7		31
MEAN	14.5	53.8	346	208	1127	590	523	263	64.7	13.5	4.3	14.8	MEAN
MAX.	40.0	460	3400 E	1680 E	3790	1910	709	449	157	26.0	5.3	42.0	MAX.
MIN.	1.7	4.4	81.0	81.0	198	334	299	161	16.0	4.5	3.4	2.7	MIN.
AC. FT.	893	3200	21280	12790	62600	36260	31100	16150	3850	832	266	883	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
262	7380 E	6.04	12	2	0200	1.4	3.26	10	18	2110	190100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 40 37	121 46 38	NW17 21N 2E	7380E	6.04	12/2/61	JAN 58 - DATE	JAN 58 - DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough.

TABLE 53

DAILY MEAN DISCHARGE

CHEROKEE CANAL NEAR RICHVALE

IN SECOND FEET

STATION NO	WATER YEAR
A02984	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.7	18	824	48	53	382	55	55	53	61	39	44	1
2	2.6	19	930	46	53	329	57	78	52	60	39	35	2
3	2.5	18	342	46	57	185	53	68	44	39	45	30	3
4	2.5	14	129	48	55	141	45	56	40	32	46	32	4
5	2.5	14	98	45	54	231	43	45	41	39	49	35	5
6	2.5	14	84	40	60	2010	44	58	37	43	49	20	6
7	2.3	14	71	43	243	788	43	59	38	42	52	12	7
8	2.2	15	62 *	42	568	370	40	49	35	39	56	15	8
9	2.3	21	60	41	1510	238	39	38	31	36	51	15	9
10	3.3	20	60	40	670	188	37	43 *	30	39	44	14	10
11	5.5	20	54	39	314	153	36	47	33	45	63	14	11
12	7.1	19	56	42	399	133	31	44	47	49	58	18	12
13	12	19 *	52	44	2930	95	31 *	47	48	46	58	18	13
14	10	18	52	40	1830 *	85	34	47	49	43	53	24	14
15	7.3	21	48	39	2780	77	41	52	45	38	45	20	15
16	3.9	21	47	38	1120	73 *	49	69	49	36	40	21	16
17	2.9	21	51	37	578	81	55	54	51	33	45	18	17
18	3.9	24	57	38 *	666	83	67	46	48	32	68	18	18
19	8.1	25	78	131	716	81	109	64	44	33	71	21	19
20	10	31	173	512	887	62	103	59	39 *	26	58	22	20
21	13	38	92	121	519	58	83	60	43	28	59	20	21
22	12	33	73	92	278	124	83	67	44	26	62	18	22
23	12 *	33	64	70	254	130	74	69	44	19 *	85	17	23
24	12	34	59	58	661	78	57	70	45	23	88	21	24
25	13	39	55	57	276	81	88	57	47	36	66	20 *	25
26	13	53	54	55	206	75	92	52	52	34	62	28	26
27	15	48 *	52	53	157	68 *	92	56	42	35	42 *	32	27
28	15	38	52	53	143	64	64	70	27	30	74	33	28
29	13	45	50	52		61	63	65	28 *	26	81	33	29
30	15	188	49	53		61	68	47	46	30	79	33	30
31	17		43	52		62		47		37	44		31
MEAN	7.9	31.2	128	68.2	644	214	59.2	56.1	42.4	36.6	57.1	23.4	MEAN
MAX.	17.0	188	930	512	2930	2010	109	78.0	53.0	61.0	88.0	44.0	MAX.
MIN.	2.2	14.0	43.0	37.0	53.0	58.0	31.0	38.0	27.0	19.0	39.0	12.0	MIN.
AC. FT.	488	1855	7876	4195	35780	13180	3523	3447	2523	2251	3513	1390	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE
110

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
5570	9.36	2	15	0140

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
2.1	1.99	10	8	1020

TOTAL ACRE FEET
80020

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	5600E	9.48	2/9/61	JUL 60 - DATE	JUL 60 - DATE	1960		88.20	USCGS

Station located on Butte City Road Bridge, 2.1 mi. S. of Richvale. Backwater from Cherokee Dam Weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

TABLE 54

DAILY MEAN DISCHARGE

BUTTE SLOUGH AT OUTFALL GATES

IN SECOND FEET

STATION NO	WATER YEAR
A02967	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	226	101	323	407	413	552	673	85	640	40	22	127	1
2	249	103	0.0E	391	385	340	596	87	509	40	23	136	2
3	268	108	0.0	334	385	0.0	542	89	412	40	24	179	3
4	274	109	0.0	311	391	0.0	537	158	384	39	50	203	4
5	274	109	1600	328	362	209	532	199	239	38	60	211	5
6	265	110	2170	357	346	0.0	542	194	167	39	60	316	6
7	254	108	2180	362	391	0.0	562	222	111	39	82	503	7
8	252	108	2070	440	402	0.0	547	294	96	39	86	608	8
9	229	111	1890	629	136	0.0	577	461	95	39	86	626	9
10	231	116	1640	692	0.0	0.0	596	583	94	39	87	667	10
11	113	117	1290	793	0.0	0.0	679	655	89	35	114	707	11
12	108	117	700	837	0.0	121 E	635	638	136	25	118	728	12
13	99	119	173	774	0.0	527	567	614	99	49	99	744	13
14	73	119	173	711	0.0	686	557	588	77	71	44	750	14
15	78	119	170	620	0.0	830	577	635	75	50	44	750	15
16	85	121	168	591	0.0	956	425	694	131	0.0	44	712	16
17	91	121	163	542	0.0	1040	412	816	170	9.1	45	660	17
18	97	118	157	517	0.0	1090	313	880	181	47	77	563	18
19	99	116	149	527	0.0	1060	364	991	216	46	122	488	19
20	97	118	634	0.0	0.0	1040	384	1020	217	46	127	470	20
21	97	122	0.0	0.0	0.0	962	391	957	212	45	121	493	21
22	99	126	0.0	304	0.0	862	414	911	199	44	56	504	22
23	100	132	152	1030	195 E	730	363	874	181	30	0.0	457	23
24	101	134	654	855	482 E	624	177	815	123	23	34	398	24
25	100	128	642	723	542 E	742	66	688	124	24	44	325	25
26	100	78	547	648	497 E	780	0.0	691	125	24	45	296	26
27	102	334	532	577	547	755	0.0	693	124	24	44	276	27
28	99	717	502	557	581	711	0.0	705	107	24	72	285	28
29	99	755	460	522		717	0.0	728	64	24	109	294	29
30	99	557	440	465		717	36	736	36	23	112	285	30
31	99		429	423		736		704		23	117		31
MEAN	147	178	645	525	216	542	402	594	181	34.8	69.9	459	MEAN
MAX.	274	755	2180	1030	581	1090	679	1020	640	71.0	127	750	MAX.
MIN.	73.0	78.0	0.0E	0.0	0.0	0.0	0.0	85.0	36.0	0.0	0.0	127	MIN.
AC. FT.	9039	10610	39690	32270	12010	33300	23930	36510	10780	2138	4300	27300	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
334	NR					NR					241900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 & JAN 39-DATE	JUN 24 - DATE			0.00	USED

Station located 4.0 mi. E. of Colusa, 3.7 mi. N. of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. These flows, together with flow of Butte Slough at Mawson Bridge and Wadsworth Canal at Butte House Road are, during the summer months, made up almost entirely of return water from lands irrigated by Feather River diversions.

& - Irrigation season only

TABLE 55

DAILY MEAN DISCHARGE

BUTTE SLOUGH AT MAWSON BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
A02971	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	133	229	85	56	1680	255	224	283	304	208	234	1
2	20	136	851	78	49	1650	239	202	235	296	216	254	2
3	16	137	1780	64	48	1760	228	206	276	293	239	251	3
4	15	136	3630 E	55	47	1740	223	245	238	272	252	238	4
5	17	135	3070 E	53	45	1600	216	240	199	250	227	227	5
6	17	137	1980	53	45	1600	212	219	233	254	233	267	6
7	16	129	1290	52	47	2760 E	205	251	225	254	254	262	7
8	16	127	894	59	70	10400 E	199	276	266	258	234	232	8
9	11	133 *	603	104	295	10100 E	193	260	266	263	223	228	9
10	7.1	150	384	124	1110	6230 E	189	301	264	259	238	232	10
11	15	156	252	138	1490	4150 E	180	255	259	244	260	232	11
12	20	162	227	150	1630	3400 E	147	235	280	267	246	234	12
13	26	169	340	140	1740	2640	127 *	230	241	292	209	236	13
14	52	168	341 *	125	2530 E	1980	130	279	236	246	232	228	14
15	70	167	304	108	14300 E	1520	133	318	245 *	215	233	226	15
16	81	173	278	97	27400 E	1200	175	332 #	298	251	239	205	16
17	97	173	257	88	34500 E	960	178	309	319	269	254	180	17
18	111	167	236	81	25500 E	770	133	334	342	257	257	128 *	18
19	117	164	223	79	16700 E	613 *	161 *	339	341	241 *	190	92	19
20	109	172	201	113	12600 E	501	125 *	294	333	232	213	84	20
21	108	196	502	721	9120 E	409	129	307	316	222	197	91	21
22	117	219	895	901	6010 E	339	137	325	264	218	183	102	22
23	122	240	806	364	4320 E	346	119	292	275	221	233	91	23
24	124	253	339	182	3670 E	443	87	261	308	230	248 *	69	24
25	124	260	198	138	3110 E	363	107	292	307	239	241	40	25
26	120	293	154	114	2650	308	149	326	307	241	239	23	26
27	126	337	128	98	2190	275	138	344	299	240	236	15	27
28	129	225	114	88	1890 *	266	122	351	285	241	246	18	28
29	133	146	105	78		251	166	344	337	239	247	25	29
30	134	114	95	69		246	243	349	333	233	221	28	30
31	130		89	62		262		340		221	203		31
MEAN	71.5	177	671	150	6184	1960	168	286	280	250	231	159	MEAN
MAX.	134	337	3630 E	901	34500 E	10400 E	255	351	342	304	260	267	MAX.
MIN.	7.1	114	89.0	52.0	45.0	246	87.0	202	199	215	183	15.0	MIN.
AC. FT.	4398	10530	41250	9245	343500	120500	10010	17610	16680	15400	14180	9465	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
846	36200 E	58.21	2	17	0530	6.1	38.58	10	10	1610	612800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 14	121 54 28	SW31 16N 1E		68.9	3/1/40	JAN 39 - DATE	NOV 34-MAY 37# OCT 37-DATE	1934		0.00	USED

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N. of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs.

- Flood season only

TABLE 56
DAILY MEAN DISCHARGE

SACRAMENTO RIVER AT MERIDIAN
IN SECOND FEET

STATION NO	WATER YEAR
A02380	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6260					15100	9550	7250	7090	7280	7450	6880	1
2	6260					15500	9460	7060	7010	7280	7430	6910	2
3	5870					17400	9400	7030	6900	7280	7470	7020	3
4	5640					17100	9350	7000	6830	7280	7570	7110	4
5	5550					16100	9250	7110	6650	7270	7650	7150	5
6	5550 *					20100	9170	7120	6520	7200	7610	7300	6
7	5560					29900	8970	7020	6610	7160	7630	7380	7
8	5520					29900	8890	7050	6690	7250	7670	7380	8
9	5490					27600	8730	7150	6740	7290	7740	7220 E	9
10	5460					25200	8570	7380	6870	7330	7820	7100 E	10
		N	N	N	N								
11	5510	O	O	O	O	22600	8120	7480	7100	7260	7870	6970 E	11
12	5600	T	T	T	T	20300	7420 *	7250	7160	7270	7940	6850 E	12
13	5770					18200	7110	7030	7140	7240 *	7860	6730 E	13
14	5810	C	C	C	C	16300	7090	6990	7140 *	7260	7830	6600 E	14
15	5780	O	O	O	O	14800 *	7130	6940	7280	7280	7760	6490 E	15
		M	M	M	M								
16	5740	P	P	P	P	13500	7140	7000	7520	7320	7760	6370 E	16
17	5670	U	U	U	U	12500	6950	7010	7680	7450	7760	6240 #	17
18	5580	T	T	T	T	11600	6480	6930 *	7690	7460	7790	6190	18
19	5550	E	E	E	E	11000	6030	6900	7670	7410	7890	6270	19
20	5560	D	D	D	D	10500	5910	6940	7620	7350	7860	6290	20
21	5590					10100	5900	6850	7570	7390	7830	6290	21
22	5680					9960	5700	6730	7530	7460	7790 *	6330	22
23	5690					10300	5910	6660	7200	7430	7750	6320	23
24	5700					11000	5850	6620	7110	7360	7730	6140	24
25	5700					10400	5840	6600	7090	7400	7760	6010	25
26	5700					9910	6030	6810	7050	7370	7810	5930	26
27	5730					9710	6240	6940	7050	7290	7790	5910	27
28	5890					9640	6510	6960	7250	7370	7740	5940	28
29	6000					9410	7070	6990	7200	7440	7600	6010	29
30	6020					9380	7390	7010	7210	7440	7320	6140	30
31	5990					9560		7070		7440	7040		31
MEAN	5723					15310	7439	6996	7139	7333	7694	6582	MEAN
MAX.	6260					29900	9550	7480	7690	7460	7940	7380	MAX.
MIN.	5460					9380	5700	6600	6520	7160	7040	5910	MIN.
AC. FT.	351900					941300	442600	430200	424800	450900	473100	391700	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 08 42	121 55 00	SE13 15N 1W		64.4	3/1/40	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED.

8tation located 190 ft. below Meridian Bridge, 8tate Highway 20, immediately NW of Meridian. Flow computed for irrigation season only.

8 - Irrigation season only

TABLE 57

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER
IN SECOND FEET

STATION NO	WATER YEAR
A02965	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	0.0	0.0	0.0	7.2	36.	0.0	31.	71.	53.	45.	83.	1
2	15	0.0	7.8	0.0	6.9	29.	0.0	36.	55.	58.	50.	77.	2
3	20	0.0	0.0	0.0	1.8	0.0	0.0	39.	41.	60.	56.	74.	3
4	20	0.0	3.1	8.0	0.0	0.0	0.0	45.	27.	59.	60.	76.	4
5	15	0.0	0.0	0.0	0.0	33.	0.0	50.	20.	52.	60.	80.	5
6	15	0.0	0.0	13.	0.0	63.	0.0	47.	12.	51.	65.	87.	6
7	15	0.0	0.0	0.0	7.8	50.	0.0	51.	17.	54.	57.	87.	7
8	9.9	0.0	0.0	0.0	9.2	49.	0.0	55.	18.	57.	61.	87.	8
9	9.9	0.0	0.0	11.	0.0	50.	0.0	54.	18.	59.	71.	78.	9
10	0.0	0.0	0.0	0.0	25.	30.	17	60.	18.	57.	81.	74.	10
11	0.0	0.0	0.0	0.0	23.	31.	0.0	63.	18.	51.	80.	79.	11
12	0.0	0.0	1.6	0.0	22.	33.	0.0	61.	4.1	55.	78.	78.	12
12	9.9	0.0	0.0	0.0	22.	34.	0.0	69.	1.8	64.	76.	70.	13
14	5.0	0.0	0.0	0.0	34.	35.	14.	74.	6.1	64.	74.	60.	14
15	5.0	0.0	16.	0.0	107.	11.	29.	77.	5.7	64.	72.	57.	15
16	5.0	0.0	0.0	0.0	94.	27.	24.	86.	11.	64.	73.	50.	16
17	0.0	0.0	0.0	22.	70.	37.	20.	86.	16.	58.	74.	37.	17
18	2.3	0.0	0.0	6.6	58.	14.	28.	81.	25.	62.	73.	31.	18
19	2.3	0.0	14.	4.0	88.	0.0	28.	76.	26.	61.	71.	20.	19
20	7.3	0.0	0.0	4.5	59.	27.	20.	70.	28.	62.	63.	9.9	20
21	0.0	0.0	0.0	0.0	60.	30.	18.	58.	29.	59.	54.	9.9	21
22	2.3	0.0	0.0	0.0	57.	18.	32.	52.	22.	58.	53.	9.9	22
23	2.3	2.4	0.0	0.0	32.	11.	43.	57.	18.	58.	52.	15.	23
24	5.9	0.0	0.0	0.0	33.	0.0	41.	57.	37.	49.	50.	20.	24
22	5.9	20.	0.0	0.0	34.	0.0	10.	56.	31.	46.	49.	9.9	25
26	5.9	0.0	0.0	0.0	53.	27.	0.0	64.	31.	50.	53.	9.9	26
27	5.9	3.3	16.	0.0	36.	30.	0.0	64.	45.	57.	55.	9.9	27
28	2.3	22.	0.0	0.0	36.	0.0	8.0	66.	46.	51.	63.	9.9	28
29	0.0	0.0	0.0	5.8		0.0	19.	68.	50.	48.	72.	5.0	29
20	2.3	0.0	0.0	7.2		27.	26.	67.	51.	43.	81.	5.0	20
21	2.3		0.0	7.5		28.		73.		42.	84.		31
MEAN	6.7	1.6	1.9	2.9	34.8	24.5	12.6	61.1	26.6	55.7	64.7	46.6	MEAN
MAX.	20.0	22.0	16.0	22.0	107	63.0	43.0	86.0	71.0	64.0	84.0	87.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	1.8	42.0	45.0	5.0	MIN.
AC. FT.	410	95	116	178	1936	1507	748	3755	1584	3423	3979	2775	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
28.3	NR					NR					20510

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 08	121 51 43	NE16 14N 1E				MAY 24-OCT 38 8 JAN 39-DATE					

Plant located 1.7 mi. E. of Grimes. This is drainage returned by pumping and gravity. Plant also discharges to irrigation canals.

8 - Irrigation season only

TABLE 58

DAILY MEAN DISCHARGE

TISDALE WEIR SPILL TO SUTTER BYPASS

IN SECOND FEET

STATION NO	WATER YEAR
A02960	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	5200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	2100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	6420	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	8690	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	6280	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	32	2760	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	3490	519	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	2570	4.9	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	693	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	7300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	10600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	11600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	8490	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	7100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	7160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	4150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	1040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	197	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	237	0.0	2729	797	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	5200	0.0	12000	8690	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			14560		151600	48980							AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
297	12400	48.59	2	17	0600	0.0		10	1	0000	215100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE#	1935		0.00	USED

Station located W. of north end of weir, 5.0 mi. SE of Orimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. U.S.E.D. datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge.

- Flood season only

TABLE 59

DAILY MEAN DISCHARGE

SACRAMENTO RIVER ABOVE R. D. 108 PUMPING PLANT

IN SECOND FEET

STATION NO	WATER YEAR
A02250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6420					17600	10100	5650	5990	5730	6050	6540 E	1
2	6500					17100	9890	5450	5960	5840	6010	6460 E	2
3	6260					18500	9700	5350	5730	5790	6060	6320 E	3
4	5880					19700	9700	5230	5560	5780	6170	6080 E	4
5	5630					18700	9690	5290	5440	5810	6280	6280	5
6	5560					18900	9470	5340	5160	5690	6260	6540	6
7	5570					26700	9350	5270	5220	5620	6180	6710	7
8	5570					28000	9160	5410	5180	5710	6190	6750	8
9	5580					26700	8960	5510	5190	5840	6260	6670	9
10	5530					25500	8520	5690	5160	5830	6310	6480	10
		N	N	N	N								
11	5520	O	O	O	O	24100	8190	6140	5350	5770	6400	6260	11
12	5610	T	T	T	T	21800	7530	6400	5400	5770	6580	6140	12
13	5800					19800	6820	6130	5330	5800	6560	6130	13
14	5850	C	C	C	C	18000	6510	6040	5340	5810	6500	5970	14
15	5850	O	O	O	O	16400	6260	6040	5460	5840	6450	5970	15
		M	M	M	M								
16	5810	P	P	P	P	15000	6130	5990	5680	5910	6320	6110	16
17	5760	U	U	U	U	14000	5960	6110	5860	5990	6420	6010	17
18	5670	T	T	T	T	12900	5410	6070	5940	6070	6430	5750	18
19	5570	E	E	E	E	12200	4680	6010	5930	6080	6540	5770	19
20	5540	D	D	D	D	11400	4210	6080	5960	5990	6530	5940	20
21	5560					10900	4350	5950	5850	5970	6510	5970	21
22	5650					10700	4280	5890	5790	6000	6470 E	5990	22
23	5680					10600	4000	5740	5610	6010	6490 E	6090	23
24	5700					11800	4010	5630	5540	5930	6470 E	5940	24
25	5690					11800	3820	5570	5510	5870	6440 E	5750	25
26	5670					11100	3910	5700	5510	5940	6600 E	5700	26
27	5720					10600	4220	5970	5430	5890	6620 E	5630	27
28	5800					10400	4470	6010 E	5470	5930	6600 E	5630	28
29	5970					10100	4680	5930 E	5580	5940	6560 E	5690	29
30	6080					9860	5600	5920 E	5690	6020	6570 E	5760	30
31	6120					10000		5950 E		6010	6490 E		31
MEAN	5778					16160	6653	5789	5561	5877	6397	6101	MEAN
MAX.	6500					28000	10100	6400	5990	6080	6620 E	6750	MAX.
MIN.	5520					9860	3820	5230	5160	5620	6010	5630	MIN.
AC. FT.	355300					993400	395900	356000	330900	361300	393400	363000	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 52 58	121 48 59	SW13 12N 1E				MAR 55 - DATE δ	FEB 55-DEC 55 FEB 56-MAY 59 NOV 59-DATE				

Station located below Tyndall Landing, 2.5 mi. NW of district drainage pumping plant, 6.2 mi. W. of Robbins. Flow, computed for irrigation season only, should not be considered to have the same degree of accuracy as other records published in this report.

δ - Irrigation season only

TABLE 60

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

IN SECOND FEET

STATION NO	WATER YEAR
A02933	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.	0.0	55.	0.0	0.0	75.	19.	258.	363.	322.	322.	418.	1
2	40.	0.0	43.	0.0	0.0	72.	26.	296.	362.	322.	322.	485.	2
3	0.0	0.0	88.	0.0	0.0	26.	24.	293.	366.	322.	322.	528.	3
4	37.	27.	60.	37.	0.0	107.	38.	347.	317.	317.	374.	463.	4
5	20.	0.0	45.	0.0	0.0	65.	0.0	363.	317.	290.	362.	458.	5
6	0.0	0.0	43.	0.0	123.	113.	41.	312.	226.	266.	322.	455.	6
7	0.0	0.0	33.	54.	82.	123.	22.	361.	322.	243.	322.	428.	7
8	0.0	0.0	38.	0.0	0.0	98.	32.	405.	322.	326.	357.	361.	8
9	77.	0.0	0.0	0.0	80.	84.	0.0	398.	322.	322.	365.	354.	9
10	0.0	0.0	29.	0.0	0.0	81.	53.	388.	322.	322.	358.	312.	10
11	0.0	0.0	0.0	86.	73.	58.	45.	400.	317.	322.	368.	281.	11
12	20.	0.0	73.	36.	61.	96.	37.	360.	281.	322.	422.	264.	12
13	74.	0.0	0.0	0.0	72.	63.	54.	468.	234.	322.	361.	218.	13
14	0.0	0.0	53.	0.0	167.	96.	0.0	445.	322.	322.	418.	212.	14
15	0.0	0.0	0.0	0.0	209.	71.	102.	460.	322.	322.	368.	197.	15
16	0.0	0.0	0.0	0.0	209.	51.	100.	465.	322.	322.	421.	219.	16
17	0.0	0.0	39.	0.0	209.	6.1	80.	466.	322.	322.	369.	195.	17
18	0.0	0.0	0.0	0.0	368.	122.	71.	470.	322.	322.	368.	144.	18
19	64.	0.0	45.	0.0	126.	34.	102.	419.	322.	322.	447.	151.	19
20	0.0	0.0	0.0	0.0	167.	48.	112.	620.	322.	322.	361.	103.	20
21	0.0	0.0	52.	74.	127.	53.	98.	450.	322.	322.	365.	102.	21
22	0.0	45.	0.0	0.0	144.	65.	183.	455.	322.	322.	383.	97.	22
23	0.0	0.0	0.0	0.0	120.	46.	100.	470.	322.	322.	368.	143.	23
24	0.0	66.	76.	0.0	67.	0.0	142.	472.	226.	322.	365.	47.	24
25	57.	70.	0.0	0.0	81.	55.	151.	462.	275.	322.	415.	51.	25
26	0.0	63.	0.0	0.0	108.	53.	213.	420.	322.	322.	472.	53.	26
27	0.0	8.0	0.0	0.0	78.	67.	268.	525.	317.	370.	369.	51.	27
28	0.0	0.0	0.0	0.0	55.	0.0	258.	415.	161.	322.	403.	52.	28
29	0.0	83.	69.	0.0		52.	294.	419.	209.	322.	410.	0.0	29
30	0.0	13.	0.0	0.0		26.	233.	494.	326.	322.	414.	40.	30
31	0.0		41.	0.0		46.		399.		322.	414.		31
MEAN	13.8	12.5	28.4	9.2	97.4	63.0	96.6	419	304	318	378	229	MEAN
MAX.	77.0	83.0	88.0	86.0	368	123	294	620	366	370	472	528	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	258	161	243	322	0.0	MIN.
AC. FT.	851	744	1749	569	5407	3872	5748	25740	18110	19560	23220	13650	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
165	NR					NR					119200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 51 45	121 47 29	NE30 12N 2E				APR 24-OCT 38 B JAN 39-DATE					

Plant located 4.5 mi. E. of Robbins. This is drainage returned by pumping. Pumping hours vary and figures shown are not necessarily daily flows. See Sacramento River near Rough and Ready Bend for stages in river. Additional water is sometimes returned to Colusa Basin Drain.

B - Irrigation season only

TABLE 61

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

IN SECOND FEET

STATION NO	WATER YEAR
A02955	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.3	0.0	3.4	0.2	17.7	12.4	5.1	45.5	27.1	30.3	40.2	15.8	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	20	0.0	209	10	984	765	305	2800	1614	1860	2469	940	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
16	NR					NR					11980

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 50 47	121 43 46	NE34 12 2E				MAY 49 - DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Colusa Basin Drain.

TABLE 62

DAILY MEAN DISCHARGE

STONE CORRAL CREEK NEAR SITES
IN SECOND FEET

STATION NO	WATER YEAR
A00435	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1.0	0.0	0.0	1.6	0.8	0.5	0.0	0.0	0.0	0.0	1
2	0.0	0.0	11	0.0	0.0	1.5	0.8	0.5	0.0	0.0	0.0	0.0	2
3	0.0	0.0	2.1	0.0	0.0	1.4	0.8	0.4	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.1	0.0	0.0	1.3	0.7	0.3	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	46	0.6	0.2	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	144	0.6	0.2	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.1	63	0.6	0.2	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.1	13	0.6	0.2	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.8	7.7	0.6	0.1	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.3	5.3	0.4	0.1	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.1	3.7	0.4	0.1	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.1	3.0	0.4	0.1	0.0	0.0	0.0	0.0	12
12	0.0	0.0	0.0	0.0	86	2.8	0.4	0.1	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	459 E	2.7	0.4	0.2	0.0	0.0	0.0	0.0	14
13	0.0	0.0	0.0	0.0	171 *	2.7	0.4	0.2	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	26	2.7	0.4	0.2	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	11	2.3	0.4	0.1	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	111	1.7	0.5	0.1	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	30	1.6	0.6	0.1	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	12	1.4	0.7	0.1	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	7.5	1.4	0.6	0.1	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	5.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	4.1	1.6	0.7	0.1	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	3.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	2.7	1.1	0.6	0.1	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	2.4	1.2	0.6	0.1	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	1.8	1.1	0.6	0.1	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	2.0	1.1	0.6	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		1.1	0.6	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.9	0.5	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.8		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.5	0.0	33.5	10.4	0.6	0.1	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	11.0	0.0	459 E	144	0.8	0.5	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			28		1858	640	34	9					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
3.5	1980 E	14.29	2	14	2020	0.0		10	1	0000	2569

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 17 18	122 18 00	NW34 17N 4W	2500E	14.93	4/2/58	MAR 58 - DATE	MAR 58 - DATE	1958		0.00	LOCAL

Station located at Maxwell-Sites Highway bridge, 2.5 mi. SE of Sites, 6 mi. NW of Maxwell. Tributary to Colusa Basin Drain.

TABLE 63

DAILY MEAN DISCHARGE

COLUSA BASIN DRAIN AT HIGHWAY 20

IN SECOND FEET

STATION NO	WATER YEAR
A02976	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	333	324	886	155	128	418	596	713	598	546	673	1230	1
2	347	318	1790	154	127	374	666	735	540	555	663	1310	2
3	338	352	1910	152	125	336	687	802	489	544	685	1370	3
4	306	359	1690	153	125	300	645	888	470	589	747	1430	4
5	318	356	1480	148	125	291	558	1010	479	622	776	1530	5
6	310	354	1070	145	130	1080	541	1090	506	614	851	1540	6
7	270	325	711	173	136	1890	503	1120	464	597	888	1620	7
8	226	278	523	224	153	1670	496	1170	407	598	936	1640	8
9	226	274 •	442	271	367	1440	478	1250	400	616	968	1530	9
10	240	338	384	266	627	1080	477	1210	386	598	954	1330	10
11	258 •	353	351	256	478	682	346 E	1140	419	614	941	1270	11
12	277	349	308	230	450 E	471	284 E	1200	447	640	939	1170	12
13	272	347	264	200	821 E	393	270 #	1270	495	668	936	1090	13
14	249	331	228 •	178	1540	385	380	1330	645	672	911	1010	14
15	261	320	214	156	2760	341	310 E	1410	782 •	652	883	826	15
16	278	322	209	146	3110	305	310	1480	776	631	882	711	16
17	295	301	208	144 •	3210	310	288 E	1460	769	602	862	678	17
18	315	316	202	137	3560	285	268 E	1360	773	563	835	656 •	18
19	324	363	201	141	4220	255 •	260 E	1290	756	561 •	844	557 E	19
20	341	414	199	190	3560	225	265 E	1210	695	567	863	730 E	20
21	352	452	202	151	3280	203	283 E	1160	651	573	855	734 E	21
22	341	441	198	112	3040	194	271 E	1090	632	564	903	726 E	22
23	355	439	184	136	2530	192	303 E	1010 •	610	619	895	718 E	23
24	356	436	181	131	1740	174	362	981	577	634	858 •	712 E	24
25	367	450	180	124	1220	166	322 E	972	626	641	884	607 E	25
26	384	514	175	122	834	163	275 E	1010	688	622	899	576 E	26
27	416	560	175	121	587	157	324 E	1060	647	677	906	501 E	27
28	409	610	172	129	481 •	154	585	1050	619	705	950	492 E	28
29	384	527	165	128		153	601	977	600	736	990	503 E	29
30	380	531	160	126		215	705	877	575	761	1100	512 E	30
31	349		156	125		389		725		719	1150		31
MEAN	319	389	491	162	1409	474	422	1098	584	623	885	977	MEAN
MAX.	416	610	1910	271	4220	1890	705	1480	782	761	1150	1640	MAX.
MIN.	226	274	156	112	125	153	260 E	713	386	544	663	492 E	MIN.
AC. FT.	19590	23120	30180	9965	78280	29140	25110	67540	34750	38280	54400	58130	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
647	4360	49.50	2	19	0420	89.0	37.58	1	22	1150	468500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	122 03 34	NE34 16N 2W	2540OE	51.93	2/21/58	JUN 24-DEC 40 8 MAY 41-DATE	JUN 24-DEC 40 8 MAY 41-DATE	1957	1957	37.09 0.00	USED USED

Station located at State Highway 20 bridge, 3.0 mi. W. of Colusa. Flow is return water in main drain of Reclamation District 2047, chiefly drainage from irrigation districts.

8 - Irrigation season only

TABLE 64

DAILY MEAN DISCHARGE

COLUSA BASIN DRAIN AT KNIGHTS LANDING

IN SECOND FEET

STATION NO	WATER YEAR
A02945	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	424	480	528	85	106	0.0	342	604	725	443	530	1170	1
2	316	465	238	88	102	0.0	616	559	528	366	413	1390	2
3	260	454	0.0	90	111	0.0	656	465	444	363	445	1590	3
4	292	459	0.0	92	90	0.0	656	630	325	346	499	1580	4
5	308	461	0.0	444	85	0.0	624	761	266	349	546	1490	5
6	322	454	864	342	91	0.0	600	785	267	377	611	1620	6
7	344	448	1040	212	74	0.0	560	814	266	376	672	1760	7
8	333	425	865	226	119	0.0	552	832	194	338	709	1800	8
9	310	401	693	264	143	0.0	520	899	130	340	733	1830	9
10	297	386	528	322	0.0	0.0	520	1020	96	382	718	1770	10
11	294	391	473	301	0.0	0.0	552	952	113	415	721	1690	11
12	308	412	430	303	0.0	0.0	584	936	114	386	787	1540	12
13	320	414	378	291	0.0	0.0	454	1030	112	431	839	1410	13
14	324	423	396	254	0.0	0.0	273	1300	165	483	833	1270	14
15	320	434	372	232	0.0	0.0	480	1380	413	458	815	1080	15
16	318	425	68	194	0.0	0.0	342	1520	671	395	777	900	16
17	324	402	74	170	0.0	0.0	348	1530	722	387	726	781	17
18	318	390	80	146	0.0	472	211	1530	712	372	674	747	18
19	321	396	84	106	0.0	520	26	1540	704	283	721	734	19
20	328	420	88	190	0.0	520	63	1420	631	309	739	598	20
21	331	454	675	0.0	0.0	322	244	1240	482	350	739	469	21
22	349	491	0.0	0.0	0.0	327	196	1210	378	346	734	425	22
23	362	516	0.0	0.0	0.0	202	76	1180	355	306	728	485	23
24	382	524	582	266	0.0	320	71	950	358	351	727	494	24
25	481	538	500	210	0.0	448	194	959	358	418	734	390	25
26	520	554	282	162	0.0	320	123	1060	428	376	786	306	26
27	500	835	231	143	0.0	274	67	1080	544	362	851	309	27
28	518	630	159	127	0.0	241	170	1150	540	413	859	309	28
29	520	723	72	121		238	337	1170	529	462	864	339	29
30	504	717	77	116		224	360	1060	544	534	943	435	30
31	494		81	111		269		928		567	1070		31
MEAN	366	484	318	181	32.9	152	361	1048	404	390	727	1024	MEAN
MAX.	520	835	1040	444	143	520	656	1540	725	567	1070	1830	MAX.
MIN.	260	386	0.0	0.0	0.0	0.0	26.0	465	96.0	283	413	306	MIN.
AC. FT.	22500	28800	19550	11120	1827	9316	21460	64450	24030	23970	44710	60910	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
459	NR					NR					332600

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W. of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento, combine with flows of Reclamation District 787 to Colusa Basin Drain. Maximum gage height listed does not indicate maximum discharge.

8 - Irrigation season only

TABLE 65

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

IN SECOND FEET

STATION NO	WATER YEAR
AC2950	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.6	0.0	0.0	0.0	1.0	0.1	5.2	24.3	28.0	29.3	28.9	9.1	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	34	0.0	0.0	0.0	58	8	312	1496	1665	1799	1777	542	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
11	NR					NR					7691

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 48 03	121 43 28	NW14 11N 2E				JAN 40 - DATE					

Plant located 0.3 mi. W. of Knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Sacramento River.

TABLE 66

DAILY MEAN DISCHARGE

AINSWORTH CANAL NEAR SUTTER

IN SECOND FEET

STATION NO	WATER YEAR
A05929	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	104	94	47	18	15	81	81	122	100	126	100	222	1
2	110	104	111	18	15	86	102	95	84	144	84	204	2
3	106	122	109	17	16	77	104	79	97	120	100	227	3
4	110	108	69	14	16	71	137	101	101	130	119	284	4
5	111	96	58	23	16	72	160	110	104	132	133	231	5
6	124	89	48	18	16	283	150	137	81	103	140	240	6
7	128	92	43	18	17	229	120	160	75	108	117	255	7
8	114	83	39	30	27	159	89	153	67	84	129	278	8
9	108	68	34	26	228	80	112	206	81	86	119	260	9
10	107	83	34	22	147	94	94	181	101	71	125	273	10
11	116	78	32	19	89	74	75	161	124	73	140	257	11
12	112	74	32	18	78	68	132	155	105	94	155	218	12
13	81	70	40	18	546	70	123	216	87	122	154	193	13
14	71	47	35	16	688	71	98	253	102	140	140	169	14
15	62	25	32	16	1050	65	59	283	118	142	135	169	15
16	56	16	32	16	721	62	56	292	110	134	145	211	16
17	57	16	32	10	432	59	60	310	111	123	148	212	17
18	71	15	34	9.9	356	56	18	281	120	116	120	179	18
19	84	13	33	13	362	53	40	249	110	95	126	151	19
20	91	16	34	11	226	51	65	228	110	109	125	132	20
21	84	24	32	5.0	172	34	92	183	96	118	112	125	21
22	77	22	28	11	128	49	94	153	96	132	112	132	22
23	90	25	24	16	110	61	83	170	92	120	109	142	23
24	80	29	25	16	99	59	61	171	100	112	148	145	24
25	81	29	28	16	96	60	44	168	106	92	129	117	25
26	86	33	27	16	94	64	14	181	96	86	136	110	26
27	91	29	24	15	84	64	35	205	98	81	162	111	27
28	101	29	24	15	80	62	84	182	77	75	178	126	28
29	104	36	22	15		73	98	149	70	101	193	137	29
30	98	26	20	15		71	121	129	78	85	205	117	30
31	90		18	15		74		127		91	233		31
MEAN	93.7	53.0	38.7	16.3	212	81.7	86.7	180	96.6	108	138	169	MEAN
MAX.	128	122	111	30.0	1050	283	160	310	124	144	233	284	MAX.
MIN.	56.0	13.0	18.0	5.0	15.0	34.0	14.0	79.0	67.0	71.0	84.0	110	MIN.
AC. FT.	5762	3156	2380	1003	11750	5022	5159	11090	5746	6635	8475	11240	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
106	NR					NR					77420

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E				MAR 61-DATE	MAR 61-DATE				

Station located on downstream side of South Butte Road bridge, 0.9 mi. E. of Sutter. Tributary to Sutter Bypass. Maximum gage height listed does not necessarily indicate maximum discharge. This station and one 2.2 mi. downstream are used to determine slope for slope rating of canal.

TABLE 67

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

IN SECOND FEET

STATION NO	WATER YEAR
A05922	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	13.	19.	17.	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.	31.	19.	17.	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	16.	21.	20.	18.	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.	5.6	19.	19.	17.	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.	7.6	20.	20.	23.	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.	8.4	20.	20.	24.	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.	19.	21.	21.	22.	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.	21.	20.	29.	20.	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.	21.	20.	21.	17.	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.	20.	20.	20.	16.	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.	20.	17.	22.	20.	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.	21.	21.	22.	19.	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.	20.	22.	23.	19.	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.	21.	20.	21.	14.	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.	23.	22.	19.	13.	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.	31.	21.	19.	12.	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	33.	21.	19.	9.3	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.	31.	19.	18.	8.2	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.	18.	21.	19.	6.3	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	20.	21.	20.	6.7	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	19.	32.	22.	7.4	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	19.	32.	21.	7.1	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.	20.	21.	21.	6.3	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.	19.	22.	21.	5.6	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.	18.	20.	19.	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.	18.	21.	18.	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.	15.	22.	17.	0.0	27
28	0.0	0.0	0.0	0.0		0.0	0.0	15.	14.	21.	19.	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	15.	14.	20.	17.	0.0	29
30	0.0		0.0	0.0		0.0	0.0	15.	12.	18.	17.	0.0	30
31	0.0		0.0	0.0		0.0		15.		19.	18.		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	18.6	21.2	20.0	11.5	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	33.0	32.0	29.0	24.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	13.0	17.0	0.0	MIN.
AC. FT.								839	1108	1305	1230	684	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7.1	NR					0.0		10	1	0000	5166

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 57	121 44 33	NW27 14N 2E				MAY 54 - DATE				0.0	USED

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E. of Orimes. This is drainage returned by gravity.

TABLE 68

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

IN SECOND FEET

STATION NO	WATER YEAR
A02963	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.	17.	20.	22.	19.	50.	17.	15.	32.	35.	33.	41.	1
2	17.	16.	23.	22.	19.	46.	17.	24.	31.	48.	27.	41.	2
3	18.	17.	34.	23.	18.	47.	17.	32.	31.	39.	27.	41.	3
4	18.	17.	31.	23.	18.	42.	18.	36.	26.	36.	27.	40.	4
5	20.	17.	31.	23.	19.	42.	17.	35.	35.	43.	27.	40.	5
6	19.	17.	32.	21.	16.	54.	11.	32.	30.	38.	27.	39.	6
7	19.	17.	31.	21.	17.	50.	10.	24.	28.	37.	35.	38.	7
8	18.	17.	31.	21.	18.	60.	11.	33.	27.	36.	37.	34.	8
9	18.	17.	26.	21.	19.	76.	19.	39.	27.	34.	33.	32.	9
10	19.	17.	20.	21.	20.	69.	27.	40.	27.	32.	30.	34.	10
11	19.	17.	28.	21.	0.0	59.	29.	38.	27.	31.	27.	34.	11
12	19.	17.	31.	21.	20.	61.	26.	40.	27.	33.	27.	36.	12
13	18.	17.	24.	21.	39.	60.	17.	40.	27.	41.	35.	32.	13
14	18.	17.	24.	21.	96.	50.	14.	40.	27.	41.	34.	26.	14
15	18.	18.	25.	20.	141.	50.	13.	39.	36.	38.	34.	24.	15
16	18.	18.	24.	21.	124.	46.	10.	38.	38.	37.	27.	23.	16
17	17.	17.	24.	20.	103.	37.	8.6	37.	38.	37.	32.	22.	17
18	17.	18.	24.	20.	125.	35.	8.5	32.	37.	29.	26.	25.	18
19	17.	18.	25.	19.	109.	32.	9.6	31.	28.	35.	25.	25.	19
20	18.	17.	24.	22.	101.	31.	14.	25.	35.	38.	41.	24.	20
21	18.	16.	22.	18.	92.	13.	15.	36.	36.	38.	36.	23.	21
22	18.	16.	23.	11.	82.	22.	15.	39.	28.	37.	35.	20.	22
23	18.	16.	23.	17.	81.	32.	11.	40.	27.	29.	43.	20.	23
24	18.	15.	24.	21.	78.	32.	19.	40.	27.	33.	44.	19.	24
25	18.	18.	24.	25.	65.	32.	22.	40.	27.	28.	43.	18.	25
26	17.	18.	24.	20.	60.	27.	14.	39.	27.	36.	42.	18.	26
27	18.	17.	23.	20.	49.	21.	9.9	39.	25.	37.	42.	17.	27
28	18.	18.	23.	20.	37.	21.	9.9	38.	36.	37.	42.	17.	28
29	18.	17.	24.	19.		18.	10.	38.	35.	36.	35.	16.	29
30	17.	19.	23.	19.		17.	14.	38.	34.	36.	40.	16.	30
31	18.		23.	20.		18.		38.		36.	41.		31
MEAN	18.0	17.1	25.4	20.4	56.6	40.3	15.1	35.3	30.5	36.2	34.0	27.8	MEAN
MAX.	20.0	19.0	34.0	25.0	141	76.0	29.0	40.0	38.0	48.0	44.0	41.0	MAX.
MIN.	17.0	15.0	20.0	11.0	0.0	13.0	8.5	15.0	25.0	28.0	25.0	16.0	MIN.
AC. FT.	1107	1018	1563	1258	3144	2479	900	2172	1817	2223	2091	1656	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
29.6	NR					NR					21430

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.& M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 01 44	121 46 53	SE30 14N 2E				JAN 25 - DATE					

Plant located on north levee of Tisdale Bypass, 2.1 mi. E. of Tisdale Weir, 6.8 mi. SE of Grimes. This is drainage returned by pumping and gravity.

TABLE 69

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

IN SECOND FEET

STATION NO	WATER YEAR
A02926	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	209	38	13	246	46	281	511	407	446	684	1
2	0.0	0.0	130	50	24	188	49	360	414	401	428	661	2
3	0.0	0.0	222	62	24	124	43	388	501	408	440	636	3
4	0.0	0.0	102	38	37	172	41	403	365	398	446	623	4
5	0.0	35	103	17	43	189	35	290	371	391	456	623	5
6	0.0	41	103	23	13	251	0.0	548	0.0	375	509	1250	6
7	0.0	9.9	88	23	3.7	271	0.0	436	228	389	524	656	7
8	0.0	9.9	97	18	0.0	249	0.0	504	463	401	508	394	8
9	0.0	e 18	7.9	18	582	235	23	452	395	394	542	832	9
10	0.0	9.9	65	33	249	249	23	507	401	404	538	571	10
11	0.0	25	86	23	238	245	14	490	379	413	552	557	11
12	0.0	18	175	23	215	137	18	383	427	423	552	569	12
13	0.0	0.0	65	23	307	61	36	596	481	438	558	501	13
14	0.0	0.0	66	32	496	175	36	496	481	436	764	464	14
15	0.0	9.9	62	35	906	121	45	549	453	412	517	380	15
16	0.0	0.0	51	27	658	127	56	549	437	430	525	367	16
17	0.0	9.9	49	34	436	127	56	540	497	427	551	285	17
18	0.0	0.0	45	26	472	41	61	503	522	417	567	0.0	18
19	0.0	0.0	8.2	0.0	394	73	98	483	558	410	571	178	19
20	0.0	0.0	0.0	0.0	359	90	96	485	579	417	569	243	20
21	0.0	0.0	0.0	65	340	84	97	482	566	418	561	204	21
22	0.0	0.0	60	0.0	287	79	124	485	558	420	533	151	22
23	0.0	0.0	27	0.0	260	84	131	520	552	435	652	102	23
24	0.0	0.0	30	0.0	237	76	164	500	430	432	649	102	24
25	0.0	11	37	0.0	307	77	155	518	418	427	649	82	25
26	0.0	0.0	29	0.0	224	70	163	425	431	437	635	97	26
27	0.0	0.0	27	66	194	71	176	652	412	411	605	106	27
28	0.0	0.0	0.0	55	35	71	217	555	395	429	643	71	28
29	0.0	19	60	53		66	331	556	398	440	671	71	29
30	19	62	25	40		54	267	622	400	432	655	20	30
31	35		47	0.0		50		549		451	655		31
MEAN	1.7	9.3	67.0	26.5	263	134	86.7	487	434	417	564	383	MEAN
MAX.	35.0	62.0	222	66.0	906	271	331	652	579	451	764	1250	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	41.0	0.0	281	0.0	375	428	0.0	MIN.
AC. FT.	107	552	4118	1630	14590	8237	5159	29960	25830	25630	34650	22770	AC. FT.

e — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— e AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
239	NR					NR					173200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 47 05	121 39 18	NE20 11N 3E		41.1	3/1/40	APR 30-OCT 38 8 JAN 39-DATE					

Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.

8 - Irrigation season only

TABLE 70

DAILY MEAN DISCHARGE

SACRAMENTO SLOUGH AT SACRAMENTO RIVER

IN SECOND FEET

STATION NO	WATER YEAR
A02925	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	433	365 E	554 E	186	155 E	4370	669	740	1080	570	796	1330	1
2	419	298 E	NR	245	182 E	2710	690	742	1080	690	792	1320	2
3	452 E	300 E	NR	188	181	1640	564	730	985	751	738	1300	3
4	502 E	321 E	2210	181	180	2890	572	826	794	902	746	1320	4
5	474 E	238 E	4320	138	118	3060	587	810	981	920	811	1440	5
6	420 E	266 E	4570	209	149	1670	283	1070	812	850	877	1550	6
7	321 E	305	3930	260	188	NR	629	993	752	745	929	1570	7
8	277 E	277	2980	357	238	NR	727	1170	733	704	967	1540	8
9	187 #	263	2250	391	NR	NR	825	1130	701	732	962	1790	9
10	279 E	233	1710	314	NR	NR	842	1230	709	786	963	1480	10
11	349 E	191	1150	290	NR	NR	1160	1400	723	794	935	1230	11
12	354 E	169	718 *	245	NR	NR	1210	1190	766	728	928	1380	12
13	265 E	171	581	260	NR	2450 E	747	1260	770	787	978	1420	13
14	173 E	217	326	268	NR	4870	591	1260	726	924	1070	1320	14
15	175 E	222	252	256	NR	5620	520	1480	655	914	1050	1290	15
16	277 E	243 *	363	223 *	NR	5220	636 *	1460	652	868	1020	1280	16
17	344 E	240	376	188	NR	4220	979	1400 *	717	874 *	994	873	17
18	364 E	239	388	127	NR	3080	862	1400	723	806	991	845	18
19	317 E	240	321	148	NR	2000	674	1440	715 *	747	975	803	19
20	425 E	296	319	NR	NR	1660	511	1360	833	721	995	725 *	20
21	468 E	516	185	NR	NR	1270	605	1360	908	716	991	650	21
22	454 E	408	728	406	NR	1020	599	1360	908	705	1020	534	22
23	455 E	282	719	863	NR	661	417	1220	875	756	1050 *	486	23
24	455 E	286	729	823	NR	666	364	1210	810	797	1020	534	24
25	432 E	285	663	481	1500	760	443	1240	730	807	991	538	25
26	395 E	287	508	294	4460	563	501	1170	723	774	1050	501	26
27	401 E	196	442	251	5350	488	531	1290	649	721	1080	411	27
28	345 E	488	361	162	5200	422	291	1220	582	714	1170	311	28
29	288 E	143 E	351	124		502	662	1410	593	730	1160	224	29
30	263 E	519 E	218	119		349	881	1500	518	772	1220	258	30
31	233 E		215	177		356		1150		802	1300		31
MEAN	355	284	NR	NR	NR	NR	652	1201	773	778	986	1008	MEAN
MAX.	502 E	519 E	NR	NR	NR	NR	1210	1500	1080	924	1300	1790	MAX.
MIN.	173 E	143 E	NR	NR	NR	NR	283	730	518	570	738	224	MIN.
AC. FT.	21810	16870	NR	NR	NR	NR	38820	73830	46020	47820	60630	60010	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 46 52	121 38 27	SE21 11N 3E				JUN 24-OCT 39 & JAN 40-DATE	APR 45-DEC 468 APR 47-DATE				

Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage height 29.0+) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

& - Irrigation season only

TABLE 71

DAILY MEAN DISCHARGE

FREMONT WEIR SPILL TO YOLO BYPASS
IN SECOND FEET

STATION NO.	WATER YEAR
A02930	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	327	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	1260	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	17200	96.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	20800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	7240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	24800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	44900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	66700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	67600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	52200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	33400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	20100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	10700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	2300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	13140.0	54.3	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	67600	1260	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					729900	3338							AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2009	69800		2	16	1940	0.0		10	1		733200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			294000		12/23/55	JAN 35-DATE					

See Sacramento River at Fremont Weir, East End and Sacramento River at Fremont Weir, West End, for stage records and locations. Elev. of weir crest is 33.50 ft. USED datum; length of crest is 9,120 ft.

TABLE 72

DAILY MEAN DISCHARGE

LITTLE LAST CHANCE CREEK ABOVE FRENCHMAN DAM

IN SECOND FEET

STATION NO	WATER YEAR
A55540	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	0.8	0.5E	0.5E	2.0E	45 E	28	12	0.8	0.2	0.0	1
2	NR	NR	0.8	0.5E	0.5E	2.0E	54 E	31	11	0.7*	0.2*	0.0	2
3	NR	NR	0.7	0.5E	0.5E	2.0E	56 #	34 *	11	0.7	0.1	0.0	3
4	NR	NR	0.5	0.5E	0.5E	2.0E	59 *	37	9.5	0.6	0.1	0.0*	4
5	NR	NR	0.4E	0.5E	0.5E	2.0E	72	36	8.6	0.6	0.2	0.0	5
6	NR	NR	0.3#	0.5E	0.5E	2.0E	89	33	7.6	0.5	0.2	0.0	6
7	NR	NR	0.3E	0.5E	2.0E	2.0E	105	32	6.9	0.4	0.1	0.0	7
8	NR	NR *	0.3E	0.5E	2.0#	2.0E	124	30	6.5*	0.4	0.2	0.0	8
9	NR	0.1	0.3E	0.5E	2.0E	2.0E	120	28	5.9	0.4	0.2	0.0	9
10	NR	0.1	0.3E	0.5E	2.0E	2.0E	99 *	25	5.5	0.4	0.1	0.0	10
11	NR	0.2	0.3E	0.5E	2.0E	2.0E	103	22	5.1	0.3	0.1	0.0	11
12	NR	0.2	0.3E	0.5E	2.0E	2.0E	110	20	4.6	0.3	0.1	0.0	12
13	NR	0.1	0.5E	0.5E	2.0E	2.0E	117	18	4.3	0.3	0.2	0.0	13
14	NR	0.1	0.5E	0.5E	2.0E	2.0#	138	20	4.3	0.3	0.1	0.0	14
15	NR	0.1	0.5E	0.5E	2.0E	2.0E	128	19	4.1	0.3	0.1	0.0	15
16	NR	0.3E	0.5E	0.5E	2.0E	2.0E	102	27	3.5	0.3	0.1	0.0	16
17	NR	0.3E	0.5E	0.5E	2.0E	2.0E	92	20	3.1	0.3	0.1	0.0	17
18	NR	0.3E	0.5E	0.5E	2.0E	2.0E	85 *	17	2.7	0.3	0.1	0.0	18
19	NR	0.3E	0.5#	0.5E	2.0E	2.0E	79	16	2.5	0.3	0.1	0.0	19
20	NR	0.3E	0.5E	0.5E	2.0E	2.0E	70	16	2.3	0.3	0.1	0.0	20
21	NR	0.3E	0.8E	0.5E	2.0#	2.0E	57	15	2.0	0.3	0.1	0.0	21
22	NR	0.3E	0.8E	0.5E	2.0E	2.0E	56	14	1.7	0.3	0.1	0.0	22
23	NR	0.3E	0.8E	0.5E	2.0E	2.0E	58	14	1.9	0.2	0.1	0.0	23
24	NR	0.3E	0.5E	0.5E	2.0E	2.0E	60	14	1.6	0.2	0.0	0.0	24
25	NR	0.5	0.5E	0.5E	2.0E	20 E	55	14	1.3	0.2	0.0	0.0	25
26	NR	0.7	0.5E	0.5E	2.0E	20 E	46	14	1.1	0.2	0.0	0.0	26
27	NR	0.7	0.5E	0.5E	2.0E	20 E	45	14	1.2	0.2	0.0	0.0	27
28	NR	0.5	0.5E	0.5E	2.0E	20 E	41	13	1.1	0.2	0.0	0.0	28
29	NR	0.6	0.5E	0.5E		20 E	33	13	0.9	0.2	0.0	0.0	29
30	NR	0.6	0.5E	0.5E		20 E	29	13	0.8	0.2	0.0	0.0	30
31	NR		0.5E	0.5E		20 E		12		0.2	0.0		31
MEAN	NR	NR	0.5	0.5	1.7	6.1	77.6	21.3	4.5	0.4	0.1	0.0	MEAN
MAX.	NR	NR	0.8	0.5E	2.0E	20.0E	138	37.0	12.0	0.8	0.2	0.0	MAX.
MIN.	NR	NR	0.3E	0.5E	0.5E	2.0E	29.0	12.0	0.8	0.2	0.0	0.0	MIN.
AC. FT.	NR	NR	31	31	93	373	4616	1307	267	22	6		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. & B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 57 19	120 12 37	NW 8 24N 16E	225	7.00	4/14/62	NOV 61-DATE	NOV 61-DATE	1961		5600.00	USCOS

Station located 0.7 mi. below mouth of Lookout Creek, 4.3 mi. N of Frenchman Dam.
Tributary to Frenchman Reservoir. Stage-discharge affected at times by ice. Recorder installed Nov. 8, 1961.

TABLE 73

DAILY MEAN DISCHARGE

FRENCHMAN CREEK NEAR CHILCOOT

IN SECOND FEET

STATION NO	WATER YEAR
A55530	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	0.4	0.4	0.4E	0.3	33	23	8.9	1.3	0.5	0.2	1
2	NR	NR	0.5	0.4	0.4E	0.7	41 E	26 *	8.3	1.3*	0.5*	0.2	2
3	NR	NR	0.4	0.4	0.4E	0.8	43 *	28	7.9	1.4	0.4	0.2	3
4	NR	NR	0.3	0.3	0.4	0.8	45 E	30	7.4	1.3	0.4	0.3*	4
5	NR	NR	0.3	0.3	0.4	1.0	56 E	30	6.9	1.2	0.4	0.3	5
6	NR	NR	0.3*	0.4E	0.4	1.3	70 E	28	6.5	1.1	0.4	0.2	6
7	NR	NR	0.3	0.4	0.8	1.3	82 E	26	5.8	1.0	0.4	0.2	7
8	NR	NR *	0.3	0.4	0.7*	1.4	100 E	24	5.2*	0.9	0.4	0.2	8
9	NR	NR	0.3	0.4	1.3	1.3	94 E	22	4.9	0.9	0.5	0.2	9
10	NR	0.2	0.3E	0.3	2.7	1.4	76 #	20	4.7	0.9	0.4	0.3	10
11	NR	0.2	0.3	0.4	1.8	1.3E	80 E	18	4.4	0.9	0.4	0.2	11
12	NR	0.2E	0.2	0.4	1.3	1.1E	86 E	16	4.2	1.2	0.3	0.2	12
13	NR	0.2	0.2	0.4	1.4	1.2E	92 E	15	4.0	1.0	0.3	0.2	13
14	NR	0.2	0.3	0.3	1.7E	1.4#	103 E	15	4.3	0.9	0.3	0.2	14
15	NR	0.2	0.3	0.4	1.1E	1.7E	96	14	3.9	0.8	0.3	0.2	15
16	NR	0.2E	0.3	0.3	1.1E	1.8	81	17	3.5	0.8	0.3	0.2	16
17	NR	0.2E	0.4	0.4	0.9	1.6E	66 *	16	3.2	0.8	0.3	0.2	17
18	NR	0.2	0.3	0.4	0.8	2.0E	62	14	2.9	0.7	0.3	0.2	18
19	NR	0.2	0.4	0.4	0.7	3.0E	56	13	2.8	0.7	0.3	0.2	19
20	NR	0.3	0.8	0.4	0.7	3.3	46	12	2.6	0.6	0.3	0.3	20
21	NR	0.3	0.6	0.5	0.8*	3.4E	37	12	2.3	0.6	0.3	0.3	21
22	NR	0.3	0.4	0.4	0.9	3.4	42	11	2.1	0.6	0.3	0.3	22
23	NR	0.3	0.3	0.4	0.9	3.1E	47	11	2.0	0.6	0.3	0.2	23
24	NR	0.3	0.3	0.4E	0.8E	3.4E	50	11	1.8	0.6	0.2	0.3	24
25	NR	0.3	0.4	0.4E	0.8E	5.9E	43	11	1.7	0.6	0.2	0.3	25
26	NR	0.4	0.3	0.4E	0.9E	10 E	37	11	1.7	0.6	0.2	0.4	26
27	NR	0.3	0.3	0.4E	0.6E	15 E	34	10	1.6	0.6	0.2	0.3	27
28	NR	0.2	0.3	0.4E	0.4	17 E	28	9.8	1.5	0.8	0.2	0.3	28
29	NR	0.3	0.3	0.4E		19	25	9.2	1.4	0.6	0.3	0.3	29
30	NR	0.4	0.3	0.4E		23 E	23	8.2	1.3	0.5	0.3	0.3	30
31	NR		0.4	0.4E		29		8.1		0.5	0.3		31
MEAN	NR	NR	0.3	0.4	0.9	5.2	59.1	16.8	4.0	0.8	0.3	0.2	MEAN
MAX.	NR	NR	0.8	0.5	2.7	29.0	103 E	30.0	8.9	1.4	0.5	0.4	MAX.
MIN.	NR	NR	0.2	0.3	0.4E	0.3	23.0	8.1	1.3	0.5	0.2	0.2	MIN.
AC. FT.	NR	NR	21	24	51	319	3519	1030	237	52	20	15	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 54 01	120 14 09	SW30 24N 16E	151E	6.76	4/14/62	NOV 61-DATE	NOV 61-DATE	1961		5625.00	USCOS

Station located 2.5 mi. W of Frenchman Dam, 8.8 mi. NW of Chilcoot. Tributary to Frenchman Reservoir.
Stage-discharge relation at times affected by ice. Recorder installed Nov. 9, 1961.

TABLE 74

DAILY MEAN DISCHARGE

LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM

IN SECOND FEET

STATION NO	WATER YEAR
A55525	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	0.0	0.0	0.0	0.0	0.0	89	1.9	2.7	0.8•	0.3	1
2	NR	NR	0.0	0.0	0.0	0.0	3.8•	82 •	2.0	2.7	23 •	0.3	2
3	NR	NR	0.0	0.0	0.0	0.0	0.8	67	2.0	2.5	34	0.3	3
4	NR	NR	0.0	0.0	0.0	0.0	0.0	73	1.9	2.7	38	0.3•	4
5													5
	NR	NR	0.0•	0.0	0.0	0.0	0.0	77	1.8	2.6	42	0.2	
6	NR	NR	0.0	0.0	0.0	0.0	0.0	83	93	2.6	41	0.2	6
7	NR	NR	0.0	0.0	0.0•	0.0	0.0	104	130 •	2.5	41	0.3	7
8	NR	0.0#	0.0	0.0	0.0	0.0	0.0	104	131	2.5	71	0.2	8
9	NR	0.0	0.0	0.0•	0.0	0.0	0.0	103	131	2.5	81	0.2	9
10													10
	NR	0.0	0.0	0.0	0.0	0.0	0.0	122	117	2.5	80	0.2	
11	NR	0.0	0.0	0.0	0.0	0.0	0.0	131	107	2.6	80	0.2	11
12	NR	0.0	0.0	0.0	0.0	0.0	0.0	131	107	3.2	80	0.2	12
13	NR	0.0	0.0	0.0	0.0	0.0	0.1	119	106	2.1	80	0.2	13
14	NR	0.0	0.0	0.0	0.0	0.0	0.0	70	106	2.2	79	0.2	14
15													15
	NR	0.0	0.0	0.0	0.0	0.0	0.0	56	107	2.1	79	0.2	
16	NR	0.0	0.0	0.0	0.0	0.0	0.0•	28 •	63	2.1	78	0.2	16
17	NR	0.0	0.0	0.0	0.0	0.0	0.4•	18	47	2.1	78	0.2	17
18	NR	0.0	0.0•	0.0	0.0	0.0	0.0	2.0	48	1.8	77	0.2	18
19	NR	0.0	0.0	0.0	0.0	0.0	0.0	2.0	46 •	1.7	55	0.2	19
20													20
	NR	0.0	0.0	0.0	0.0	0.0	0.0	2.1	19	1.8	21	0.2	
21	NR	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.9	1.8	21	0.2	21
22	NR	0.0	0.0	0.0	0.0	0.0	0.7	2.2	5.9	1.8	11	0.2	22
23	NR	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.9	1.8	0.4	0.2	23
24	NR	0.0	0.0	0.0•	0.0	0.0	29	2.2	5.0	1.6	0.4	0.2	24
25													25
	NR	0.0	0.0	0.0	0.0	0.0	66 •	2.0	3.7	1.5	0.4	0.2	
26	NR	0.0	0.0	0.0	0.0	0.0	91	2.1	2.7	1.3	0.3	0.2	26
27	NR	0.0	0.0	0.0	0.0	0.0	91	2.1	2.7	1.2	0.3	0.2	27
28	NR	0.0	0.0	0.0		0.1	92	2.0	2.8	1.2	0.3	0.2	28
29	NR	0.0	0.0	0.0		0.0	90	2.0	2.8	1.3	0.3	0.2	29
30	NR		0.0	0.0		0.0		1.9		0.7•	0.3		30
31													31
MEAN	NR	NR	0.0	0.0	0.0	0.0	15.5	50.4	46.9	2.1	39.9	0.2	MEAN
MAX.	NR	NR	0.0	0.0	0.0	0.1	92.0	131	131	3.2	81.0	0.3	MAX.
MIN.	NR	NR	0.0	0.0	0.0	0.0	0.0	1.9	1.8	0.7	0.3	0.2	MIN.
AC. FT.	NR	NR					922	3096	2791	128	2451	13	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.& M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 53 36	120 11 17	NE33 24N 16E	137	3.64	6/19/62	NOV 61-DATE	NOV 61-DATE	1961		5480.00	USCGS

Station located at toe of Frenchman Dam, 7.1 mi. N of Chilcoot. Flow regulated by Frenchman Reservoir.
Recorder installed Nov. 9, 1961.

TABLE 75

DAILY MEAN DISCHARGE

LITTLE LAST CHANCE CREEK NEAR CHILCOOT

IN SECOND FEET

STATION NO	WATER YEAR
A55520	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	1.6	0.3E	0.3E	0.4E	1.0E	8.4	90	2.0	2.1	1.4	0.4	1
2	0.8	1.8	0.3E	0.3E	0.4E	1.0E	13	84 •	2.0	2.2	20 •	0.3	2
3	0.3	1.9	0.3E	0.3E	0.4E	1.0E	11	67	2.3	2.3	36	0.3	3
4	0.4	1.9	0.3F	0.3E	0.4F	1.0E	9.2•	69	2.4	2.3	39	0.3•	4
5	0.7	2.1	0.3E	0.3E	0.4F	1.0F	10	75	2.1	2.4	45	0.4	5
6	0.8	1.6	0.3#	0.3E	0.4E	1.0E	10	75	2.2	2.4	46	0.4	6
7	0.8	1.5	0.3E	0.3E	0.4E	1.0E	10	77	79	2.5	44	0.4	7
8	1.1	0.5	0.3E	0.3E	0.5#	1.0E	11	106	134 •	2.2	43	0.3	8
9	1.0	0.3	0.3E	0.3E	0.6E	1.0E	11	102	134	2.3	75	0.3	9
10	0.8	0.3#	0.3E	0.3#	0.6E	1.0E	8.8	102	141	2.2	92	0.4	10
11	0.7	0.3E	0.3E	0.4E	0.6E	1.0E	8.0	124	123	2.2	90	0.4	11
12	1.3	0.3E	0.3E	0.4E	0.6E	1.0E	8.3	141	107	2.8	89	0.2	12
13	1.3	0.3E	0.3E	0.4E	0.6E	1.0E	8.2	141	106	3.2	88	0.2	13
14	1.5	0.3E	0.3E	0.4E	0.6E	1.0E	10	134	109	2.5	86	0.3	14
15	1.4	0.3E	0.3E	0.4E	0.6E	1.4#	9.4	75	111	2.6	84 •	0.2	15
16	1.3	0.3E	0.3E	0.4E	0.6E	1.6	7.8	63 •	111	2.6	80	0.3	16
17	1.3	0.3E	0.3E	0.4E	0.6E	1.8	6.5	30	69	2.8	83	0.2	17
18	1.4	0.3E	0.3E	0.4E	0.6E	1.8	6.4	25	48	2.7	80	0.2	18
19	1.4	0.3E	0.3E	0.4E	0.6E	2.1	5.6	3.5	49	2.4	80	0.2	19
20	1.8	0.3E	0.3E	0.4E	0.6E	2.5	4.6	3.2	46 •	2.2	57	0.3	20
21	1.8	0.3E	0.3E	0.4E	0.6#	2.6	3.7	3.0	22	2.2	19	0.4	21
22	1.7	0.3E	0.3E	0.4E	1.0E	2.5	3.7	2.7	5.0	2.1	19	0.4	22
23	1.7	0.3E	0.3E	0.4E	1.0E	2.6	3.5	2.8	4.9	2.6	13	0.3	23
24	2.0	0.3E	0.3E	0.4E	1.0E	2.6	2.9	3.0	4.8	2.6	0.9	0.3	24
25	2.0	0.3E	0.3E	0.4E	1.0E	3.4	24	2.6	4.4	2.0	0.7	0.4	25
26	2.2	0.3E	0.3E	0.4E	1.0E	4.9	65	2.5	3.0	1.6	0.5	0.5	26
27	2.5	0.3E	0.3E	0.4E	1.0E	6.8	94	2.8	2.1	1.6	0.4	0.4	27
28	2.3	0.3E	0.3E	0.4E	1.0E	7.7	99	2.3	2.2	1.6	0.4	0.4	28
29	2.2	0.3E	0.3E	0.4E		7.7	101	2.1	2.0	1.8	0.4	0.4	29
30	2.1	0.3E	0.3E	0.4E		7.8	99	2.1	2.1	1.7	0.3	0.3	30
31	1.6		0.3E	0.4E		7.8		2.0		1.5	0.3		31
MEAN	1.4	0.7	0.3	0.4	0.6	2.6	22.4	52.1	47.8	2.3	42.4	0.3	MEAN
MAX.	2.5	2.1	0.3E	0.4E	1.0E	7.8	101	141	141	3.2	92.0	0.5	MAX.
MIN.	0.3	0.3	0.3E	0.3E	0.4E	1.0E	2.9	2.0	2.0	1.5	0.3	0.2	MIN.
AC. FT.	85	39	18	23	36	162	1335	3203	2841	139	2605	19	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
14.5	162	4.41	5	11	1020	NR					10510

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 52 01	120 10 13	SE 3 23N 16E				JUL 54-DATE	JUL 54-DATE	1959		0.00	LOCAL

Station located 300 ft. below county road bridge, 5.1 mi. N of Chilcoot. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 84.2 sq. mi.

TABLE 76

DAILY MEAN DISCHARGE

SMITHNECK CREEK NEAR LOYALTON

IN SECOND FEET

STATION NO	WATER YEAR
A55620	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.2	5.0	5.5	5.4	6.0E	8.0E	33	19	6.3	4.4	3.3•	3.4	1
2	4.2	4.9	5.6E	5.3	6.0E	8.3E	35	20	6.6	4.4	3.3	3.4	2
3	4.1	4.6	5.0E	5.4	6.0E	8.0	32	20	6.6	4.3	3.2	3.4	3
4	3.7	4.6	4.5E	4.8	6.0E	7.4	36 •	19	6.6	4.3	3.5	3.4	4
5	3.8	4.5	4.5#	5.4	6.0E	9.8	37	19	6.2	4.3	3.5	3.4	5
6	3.9	4.3	3.8	5.4	6.6	12	40	17	6.1	4.3	3.4	3.2	6
7	4.2	4.5	4.4	5.4	6.7	9.8	47	16	5.8	4.1	3.4	3.4	7
8	4.5	4.6	4.3E	5.4	6.3	9.7	34	16	5.6	4.1	3.4	3.4	8
9	4.7	4.6	4.6E	5.4	29	9.6E	28	15	5.8	4.2	4.0	3.4	9
10	4.6	4.6•	4.6E	4.6•	18	9.0E	26	14	5.6	4.2	3.7	3.4	10
11	4.6	4.6	4.6E	4.2E	13	8.6	26	12	5.5	4.3	3.6	3.4	11
12	4.6	4.8E	4.6E	4.5E	10	8.2E	33	12	5.6	4.8	3.5	3.6	12
13	4.5	4.6E	4.6E	4.5E	13	8.5E	31	11	5.6	4.2	3.5	3.6	13
14	4.5	4.7E	4.6E	4.5E	13	8.5E	36	14	6.1	4.2	3.5	3.7	14
15	4.6	5.2	4.6E	4.5E	17	8.5	34 E	16	6.2	4.0	3.4•	3.7	15
16	4.5	4.6	4.6E	4.5E	12	8.6•	28	18	5.6	4.0	3.5	3.6	16
17	4.6	4.5E	5.0	4.5E	9.1	8.3	33 •	15	5.6	4.3	3.5	3.6•	17
18	4.5	4.5E	5.0	4.5E	8.6	8.8	31	13	5.6	4.3	3.5	3.6	18
19	4.2	4.6	5.7	5.5	8.6	11	30	11	6.0	4.0	3.5	3.6	19
20	4.8	5.6	6.7	5.3	8.0	12	32	10	5.5•	3.8	3.5	3.8	20
21	4.8	5.4	6.4	5.0E	7.4	11	31	10 •	5.3	3.7	3.6	3.8	21
22	4.8	5.6	5.9	5.0E	7.5#	11	30	8.7	5.7	3.6	3.6	3.7	22
23	4.6	5.4	5.8	5.0E	7.5	11	31	8.5	5.6	3.6	3.4	3.6	23
24	4.5	5.0	5.9	5.0E	7.3E	13	30	8.3	5.2	3.7	3.4	3.5	24
25	4.3	5.3	5.9	5.0#	7.1E	17	29	8.6	5.0	3.8	3.4	4.3	25
26	4.8	5.2	5.6	5.0E	7.0E	25	25	9.4	4.9	3.7	3.5	4.1	26
27	5.2	4.8	5.7	5.0E	7.0E	32	25	12	4.9	3.5	3.5	3.9	27
28	5.5	4.6	5.7	5.0E	7.0E	34	24	9.6	4.7	3.4	3.6	3.9	28
29	5.0	4.8	5.4	5.0E		35	21	7.7	4.5	3.5	3.6	4.0	29
30	5.0	5.5	5.3	5.0E		34	19	7.3	4.5	3.2	3.8	3.9	30
31	5.0		5.4	5.0E		32		6.7		3.2	3.7		31
MEAN	4.5	4.9	5.2	5.0	9.5	14.1	30.9	13.0	5.6	4.0	3.5	3.6	MEAN
MAX.	5.5	5.6	6.7	5.5	29.0	35.0	47.0	20.0	6.6	4.8	4.0	4.3	MAX.
MIN.	3.7	4.3	3.8	4.2E	6.0E	7.4	19.0	6.7	4.5	3.2	3.2	3.2	MIN.
AC. FT.	279	289	317	305	529	868	1839	801	335	245	216	216	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
8.6	56E	4.20	04	15	2000	NR					6238

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 37 52	120 11 54	NW33 21N 16E	702	4.87	12/23/55	JUL 54-DATE	JUL 54-DATE	1954		0.00	LOCAL

Station located 100 ft. W of county road, 4.0 mi. SE of Loyalton. Tributary to Middle Fork Feather River.
Stage-discharge relationship at times affected by ice. Drainage area is 31.6 sq. mi.

TABLE 77

DAILY MEAN DISCHARGE

MILLER CREEK NEAR SATTLEY

IN SECOND FEET

STATION NO	WATER YEAR
A55720	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	2.0E	3.7	2.4	2.9	3.2E	4.3	15	17	10	4.3•	3.5	1
2	1.5	2.0E	3.4	2.3	3.0	3.5E	4.9	18	19	9.7	4.3	3.5	2
3	1.5	2.0E	2.8E	2.2	2.9	2.9	5.4	20	19	9.4	4.3	3.6	3
4	1.5	2.0E	2.6E	2.0	2.7	2.8	6.1•	23	16	9.1	4.6	3.6	4
5	1.6	2.0E	2.6#	2.1	2.8	3.1	6.6	23	16	8.6	4.9	3.5	5
6	1.5	2.0E	2.1	2.1	2.9	3.2	7.6	21	18	8.1	4.8	3.5	6
7	1.6	2.0E	2.3E	2.2	3.0	2.8	9.3	22	17	7.9	4.5	3.4	7
8	1.9	2.0E	2.2	2.3	3.2•	2.8	11	23	17	7.6	4.4	3.4	8
9	1.8	2.0E	1.9E	2.3•	9.3	2.5	13	22	19	7.5	5.3	3.5	9
10	1.7	2.0#	2.0E	2.0	16	2.4	12	18	19	7.5	4.5	3.5	10
11	2.3	2.0	2.1E	2.0E	5.4	2.6	11 •	16	18	7.6	4.2	3.4	11
12	2.3	1.9	2.1E	2.3	4.0	2.6	13	15	16	8.4	4.1	3.6	12
13	2.0	1.7	2.2	2.2E	4.4	2.6	15	13	17	7.9	4.0	3.7	13
14	1.9	1.9	2.3	2.2E	4.0	2.5	19	12	17	7.3	4.0	3.8	14
15	1.9	1.7	2.3	2.2E	4.0	2.5	20	12	16	7.0	3.9•	3.8	15
16	1.8	1.8F	2.2	2.2F	3.4	2.5•	17	12	17	7.0	3.8	3.7	16
17	1.9	2.4E	2.2	2.2E	3.1	2.4	17	12	17	6.8	3.8	3.8•	17
18	2.1	3.6	2.2	2.2E	3.0	2.5	18	12	16	6.5	3.8	3.7	18
19	1.9	3.3	3.1	2.2	3.0	2.7	17 •	12	17	6.4	3.9	3.7	19
20	3.6	3.1	5.8	2.4	2.9	2.8	14	11	16 •	6.0	3.7	3.7	20
21	2.4	3.0	4.6	2.8	2.7	2.7	13	12 •	16	5.7	3.7	3.8	21
22	1.9	3.0	3.1	2.8	2.7	2.7	16	14	15	5.6	3.7	3.6	22
23	1.9	3.0	2.5	2.7	2.7	2.5	18	13	15	5.6	3.7	3.5	23
24	1.8	2.9	2.4	2.9	2.7	2.4	19	11	14	5.6	3.5	3.4	24
25	1.8	3.2	2.5	2.8	2.6E	2.8	16	11	14	5.4	3.4	3.5	25
26	2.5	3.4	2.4	2.8	2.6E	3.0	15	11	13	5.3	3.5	3.8	26
27	3.3	3.2	2.3	3.0	2.6E	3.3	17	12	12	5.0	3.5	3.8	27
28	2.8E	2.9	2.4	3.0	2.6E	3.7	16	14	12	4.8	3.4	4.1	28
29	2.0E	2.8	2.0E	2.9		3.5	12	16	11	4.7	3.3	4.2	29
30	2.0E	2.8	2.2E	2.9		3.8	13	17	10	4.6	3.5	3.8	30
31	2.0E		2.2	2.9		3.9		17		4.4	3.5		31
MEAN	2.0	2.5	2.6	2.4	3.8	2.9	13.2	15.5	16.1	6.9	4.0	3.6	MEAN
MAX.	3.6	3.6	5.8	3.0	16.0	3.9	20.0	23.0	19.0	10.0	5.3	4.2	MAX.
MIN.	1.5	1.7	1.9E	2.0	2.6E	2.4	4.3	11.0	10.0	4.4	3.3	3.4	MIN.
AC. FT.	124	146	160	150	212	177	786	952	956	422	246	217	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
6.3	32	1.24	5	4	1800	NR					4548

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 36 03	120 25 19	NE 9 20N 14E	213	4.08	12/23/55	SEP 54-DATE	SEP 54-DATE	1954 1958	1958	0.00 -1.00	LOCAL LOCAL

Station located 0.2 mi. W of State Highway 89, 1.0 mi. S of Sattley. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Maximum discharge listed is at gage ht., site and datum then in use. Drainage area is 7.6 sq. mi.

TABLE 78

DAILY MEAN DISCHARGE

MIDDLE FORK FEATHER RIVER NEAR PORTOLA

IN SECOND FEET

STATION NO	WATER YEAR
A55420	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.2	34	25	13 E	83	1120	203	63	4.3	0.1	0.0	1
2	0.1	0.2	42	26	13	65	1120	230	63	16	0.1•	0.0	2
3	0.1	0.2	49	29	13	48	1100	208	64	13	0.1	0.0	3
4	0.1	0.3	52	28	16	42	1100	192	62	8.8	0.1	0.0	4
5	0.0	0.2	50	25	23	46	1100	170	52	6.2	0.2	0.0•	5
6	0.0	0.1	45 •	24	28	74	1090	150	45	5.2	0.2	0.0	6
7	0.1	0.1	36	23	40 •	113	1080	132	43	4.1	0.2	0.0	7
8	0.1	0.1	30	26	66	165	1060	125	38	3.4	0.1	0.0	8
9	0.2	0.1	25	28	130	211	1150 •	112	34	2.8	0.2	0.0	9
10	0.2	0.1	23	27 E	275	254	1150	98	30	2.7	0.1	0.0	10
11	0.2	0.3	22	22 E	494	296	1080	86	28	2.1	0.1	0.0	11
12	0.1	6.8	20	20 E	1010	290	993	73	24	2.1	0.1	0.0	12
13	0.1	7.2	18	24 E	960	230 •	957	56	21	1.9	0.1	0.0	13
14	0.1	7.2	16	20 E	782	210	1030	60	19	1.9	0.0	0.0	14
15	0.2	8.3	17	21 E	879	199	1020	67	18	1.3	0.0•	0.0	15
16	0.1	9.5	19	20 E	824	199	879	124	15	1.1	0.0	0.0	16
17	0.1	9.9	22	20 E	991	197	791	176	13	0.9	0.0	0.0	17
18	0.1	9.3	28	25 E	747	196	735	156	11	0.7	0.0	0.0•	18
19	0.1	8.1	30	40 E	475	243	661 •	137	9.1	0.8	0.0	0.0	19
20	0.3	8.9	35 •	35 E	320	337	543	128	6.7•	0.5	0.0	0.0	20
21	0.3	10	47	22 E	293	371	535	119 •	6.0	0.3	0.0	0.0	21
22	0.2	11	53	20 E	214 •	377	559	98	6.5	0.1	0.0	0.0	22
23	0.2	13	50	18 E	178	334	541	76	7.0	0.4	0.0	0.0	23
24	0.3	18	44	17 E	160	318	474	82	6.2	0.3	0.0	0.0	24
25	0.3	23	39	16 E	139	393	391	73	5.8	0.2	0.0	0.0	25
26	0.5	24	34	15 E	97 E	434	335	71	5.8	0.2	0.0	0.0	26
27	0.6	24	32	14 E	82 E	520	330	77	5.7	0.3	0.0	0.0	27
28	0.5	23	31	14 E	80 E	733	326	74	4.8	0.2	0.0	0.0	28
29	0.3	25	30	14 E		957	263	68	4.0	0.1	0.0	0.0	29
30	0.2	30	28	14 E		1070	226	68	3.7	0.1	0.0	0.0	30
31	0.2		24	14 E		1110		66		0.2	0.0		31
MEAN	0.2	9.3	33.1	22.1	325	326	791	115	23.8	2.7	0.1	0.0	MEAN
MAX.	0.6	30.0	53.0	40.0E	1010	1110	1150	230	64.0	16.0	0.2	0.0	MAX.
MIN.	0.0	0.1	16.0	14.0E	13.0E	42.0	226	56.0	3.7	0.1	0.0	0.0	MIN.
AC. FT.	12	552	2033	1361	16090	20060	47090	7051	1417	163	3		AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
135	1260	4.79	4	14	2220	0.0		10	1	0000	97790

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 49 13	120 26 24	NE29 23N 14E				NOV 55-DATE	NOV 55-DATE	1955		0.00	LOCAL

Station located S of U. S. Highwsy 40A, 1.8 mi. NE of Portola. Stage-discharge relationship at times affected by ice.

TABLE 79

DAILY MEAN DISCHARGE

INDIAN CREEK NEAR BOULDER CREEK GUARD STATION

IN SECOND FEET

STATION NO	WATER YEAR
A54470	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.1	2.6	6.0	1.9E	2.2E	8.0E	81 E	147	75	10	2.3	1.2	1
2	1.0	2.5	5.8	1.8E	2.5E	7.0E	84	196	73	9.6	2.0	1.1	2
3	0.9	2.4	5.4	1.8E	3.0E	6.0E	91 E	240 E	67	9.0	1.8	1.2	3
4	0.9	2.4	3.6	1.8E	4.0E	7.0E	108	265 E	61	8.1*	2.4	1.1	4
5	1.0	2.3	3.1	1.9E	5.0E	8.0E	123 *	254 E	58 *	7.2	2.7	0.9	5
6	1.2	2.2	2.7	1.9E	7.0#	13 E	135	236 E	47 *	6.3	2.5	1.4	6
7	1.4	2.2E	2.5#	2.0E	42	12 E	152	228	48 *	5.7	2.3	1.0	7
8	1.9	2.3	2.2	2.0E	59	12	163	231 E	44	5.7	2.2*	1.0	8
9	2.1	2.3	2.0	2.0E	98	12 E	168	214 *	42	5.2	5.5	0.9	9
10	2.5	2.4	1.7E	2.0E	170	11 E	150	177	39	5.1*	5.3	0.9	10
11	3.4	2.4	1.5E	1.5E	197	12 E	150	152	37	5.0	3.6	0.8	11
12	3.4	1.8E	1.5E	2.0E	162	9.8E	168 E	137	35 *	5.8	2.7	1.1	12
13	2.6	1.8E	1.7E	1.8E	177	8.6E	187 E	125	38	5.5	2.4	0.8	13
14	2.5	1.7#	2.0E	1.6E	187	9.3E	225 E	118	46	4.6	2.0*	0.9	14
15	2.5	1.7E	3.0E	1.4E	161	10 #	234 E	111	40	4.5	2.0	0.9	15
16	2.5	1.7E	4.0E	1.5E	70 E	10	219 E	122	34	4.0	1.9	1.0	16
17	2.1	1.8	6.0	1.8E	40 E	9.9E	211 E	120	31	3.6	1.7	1.0	17
18	1.9	2.2	5.7	2.0E	25 E	11 E	207 E	116	26	3.7*	1.5	0.8	18
19	2.0	3.0	6.5	2.2E	19 E	13 E	195 E	103	25 *	3.5	1.6	0.8*	19
20	3.0	4.1	13	1.9E	16 E	15	163 *	91	22	3.5	1.4	0.6	20
21	3.6	3.9	16 #	1.7E	13 E	15	161	87	20	3.1	1.5	0.7	21
22	3.1	4.1	9.0E	1.5E	12 E	16	191	90 *	18	3.0*	1.2*	0.8	22
23	3.4	5.3	5.0E	1.9E	11 E	15 E	236 E	89	16 *	2.6	1.3	0.8	23
24	3.2	4.9	3.0E	1.9E	10 E	14 E	250 E	85	15	2.6	1.2	0.8	24
25	3.5	5.0	2.5E	1.9E	9.5E	18 E	220 E	85	14	2.8	1.2	0.9	25
26	4.8	6.3	2.2E	1.9E	8.0E	26 E	193	92	13	2.4	1.2	0.9	26
27	7.0	4.9	2.1E	1.9E	7.0E	40 E	209	86	12	2.3	1.2	1.1	27
28	5.3	3.6	2.0E	1.9E	8.0E	53 E	180	87	12	2.5	1.2*	1.4	28
29	3.0	3.6	1.9E	1.9E		57 E	137	92	11	2.8	1.3	1.6	29
30	2.6	5.4	2.0E	1.9E		63 E	131	87	10	3.7*	1.2	1.4	30
31	2.5		2.0E	1.9E		70 E		81		2.9	1.3		31
MEAN	2.6	3.1	4.1	1.8	54.5	19.1	171	140	34.3	4.7	2.1	1.0	MEAN
MAX.	7.0	6.3	16.0E	2.2E	197	70.0E	250 E	265 E	75.0	10.0	5.5	1.6	MAX.
MIN.	0.9	1.7E	1.5E	1.4E	2.2E	6.0E	81.0E	81.0	10.0	2.3	1.2	0.6	MIN.
AC. FT.	162	184	253	113	3025	1173	10160	8616	2041	290	126	59	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
36.2	359E	5.27	5	4	1940	NR					26200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 10 00	120 36 57	SW27 27N 12E	289E	5.37	4/14/62	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located 2.2 mi. S of Boulder Creek Guard Station, 11 mi. NE of Genesee. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice.

TABLE 80

DAILY MEAN DISCHARGE

RED CLOVER CREEK NEAR GENESEE
IN SECOND FEET

STATION NO	WATER YEAR
454450	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.8	10	17	11	11 F	30 F	442	139	41	12	9.6	6.9	1
2	10	10	17	11	12	25 E	491	140	40	12	9.5	7.0	2
3	10	10	15	11	12	23 E	541	146	39	12	9.8	7.3	3
4	10	9.8	13	10 E	12	25 E	603	151	37	12	10	7.5	4
5	9.5	9.8	12	11 E	13	32 E	674 •	144	34	11	11	7.8	5
6	10	9.2	11 F	11	14	53	706	134	31 •	11	11	7.8	6
7	10	9.4	10 F	11	19 •	51	755	133	30	11	9.9•	7.7	7
8	11	9.5	10 F	11	28	50	842	123	29	11	9.5	7.9	8
9	11	10	9.5E	12	79	53	906	113 •	27	10	12	7.6	9
10	11	9.5	9.5E	12 E	128	52	781	101	25	11	11	7.5	10
11	13	9.0	9.0E	9.0E	100	49	689	93	24	10	9.5	7.1	11
12	12	8.6	9.0E	12 E	93	46 •	696	86	23	11	8.5	7.4	12
13	11	8.6	9.5E	10 E	102	45	725	79	23	11	8.3	7.8	13
14	10	8.3•	9.5E	9.0E	127	44	783	75	24	11	8.5•	7.8	14
15	9.7	8.2	9.5E	8.0E	141	44	786	82	25	10	7.5	7.8	15
16	9.9	8.2E	10 E	8.5E	75	44	618	94	23	11	7.3	7.4	16
17	9.7	7.0E	11 E	10 E	70	44	519 •	110	21	12	7.4	7.3	17
18	9.8	7.5E	12	12 E	65	45	468	79	20	11	7.4	7.3	18
19	9.8	8.5E	12	15 E	58	51	427	68	19	11	7.5	7.3•	19
20	11	10 E	16	12 E	52	59	367	62	19	10	7.8	7.6	20
21	11	11 E	24 •	10 E	49	60	305	59	19	10	7.3	8.0	21
22	11	11	18	9.0E	45	62	286	56	17	9.6	7.3	8.1	22
23	11	11	15	10 E	43	59	293	55	16	10	7.1	8.0	23
24	12	12	14	10 E	41	61	292	60	16	9.3	6.7	8.1	24
25	12	12	14	10 E	35 E	76	272	58	17	10	6.8	8.3	25
26	13	13	13	10 E	28 E	108	234	58	16	11	6.8	8.9	26
27	14	12	13	10 E	25 E	171	226	59	15 •	11	6.8	9.1	27
28	17	11	12 E	10 E	30 E	211	222	57	15	10	6.8	10	28
29	13	11	11 E	10 E		234	177	49	13	10	7.0	9.9	29
30	11	15	12 E	10 E		311	150	44	13	10	7.6	9.3	30
31	11		12 E	10 E		380		42		9.7	6.7		31
MEAN	11.1	10.0	12.6	10.5	53.8	83.8	509	88.7	23.7	10.7	8.4	7.9	MEAN
MAX.	17.0	15.0	24.0	15.0E	141	380	906	151	41.0	12.0	12.0	10.0	MAX.
MIN.	9.5	7.0E	9.0E	8.0E	11.0E	23.0E	150	42.0	13.0	9.3	6.7	6.9	MIN.
AC. FT.	683	595	773	646	2989	5153	30300	5453	1410	658	516	471	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
68.6	1160	5.56	4	8	2400	NR					49640

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 02 56	120 39 41	SW 5 25N 12E	4180E	7.98	12/23/55	AUG 54-DATE	AUG 54-DATE	1954		0.00	LOCAL

Station located 1.4 mi. above mouth, 5 mi. E of Genesee. Tributary to East Branch North Fork Feather River via Indian Creek. Stage-discharge relationship at times affected by ice. Drainage area is 122 sq. mi.

TABLE 81

DAILY MEAN DISCHARGE

INDIAN CREEK NEAR TAYLORSVILLE

IN SECOND FEET

STATION NO	WATER YEAR
A54370	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23	42	91	49	44 E	127	1230	722	328	72	33	20	1
2	22	40	92	44	44 E	113	1330	738	323	69	32	19	2
3	22	39	79	44	47	100	1460	826	316	65	32	20	3
4	23	39	66	39	48	101	1650	895	292	63	34	19	4
5	22	37	57	41 E	49	112	1810	906	266	61	34	21	5
6	21	37	52	44	52	202	1900 *	865	245	61 *	33	20	6
7	22	40	42	44	72 *	209	2070	822	234	57	33	20	7
8	24	38	42 E	44	115	210	2230	785	218	50	32 *	20	8
9	23	38	41 E	45	402 E	223	2540	764	207	47	39	18	9
10	22	37	40 E	47	573	202	2220	680	196	49	39	17	10
11	25	37	38 E	33 E	407	197	2030	604	188	48	37	18	11
12	27	37	38 E	48	365	176 *	2060	548	178	44 *	31	20	12
13	26	36	40 E	43 E	511	170	2150	506	169	43	29	21	13
14	26	35	40 E	37 E	616	174	2260	469	187	42	28 *	22	14
15	26	35 *	40 E	33 E	780	183	2370	457	185	41	33 *	21	15
16	26	35	40	35 E	543	189	2060	498	165	38	33	20	16
17	26	30 E	41	40 E	395	172	1810 *	545	153	39	32	20	17
18	24	33 E	42	46	330	175	1690	468	144	40	29	19 *	18
19	25	39	44	62	280	205	1600	431	134 *	38	29	19	19
20	29	45	54 *	58 E	226	247	1380 *	380	124	34 *	36	20	20
21	31	46	80	45 E	212	252	1210	350	116	32	37	22	21
22	32	47	78	40 E	180	278	1180	343 *	111	31	30	22	22
23	31	47	66	44 E	182	250	1240	356	105	31	28	22	23
24	34	52	59	44 E	166	258	1280	353	98	31	27	22	24
25	35	56	56	44 E	130	297	1210	338	92	30 E	27	23 E	25
26	37	59	51	44 E	110 E	403	1050	345	88	31	26	24 E	26
27	46	62	49	44 E	105 E	600	1030	342	83	32	27	26 E	27
28	55	54	45	44 E	127	795	1060	335	79	34	25	27 E	28
29	56	57	45	44 E		832	862	347	74	36	24	28	29
30	48	84	43 E	44 E		932	753	352	72	35	24	28	30
31	44		43 E	44 E		1040		342		34	25		31
MEAN	30.1	43.8	52.7	43.8	254	304	1624	539	172	43.8	30.9	21.3	MEAN
MAX.	56.0	84.0	92.0	62.0	780	1040	2540	906	328	72.0	39.0	28.0	MAX.
MIN.	21.0	30.0E	38.0E	33.0E	44.0E	100	753	335	72.0	30.0E	24.0	17.0	MIN.
AC. FT.	1851	2604	3241	2692	14100	18690	96650	33150	10260	2694	1900	1265	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
261	3090	5.69	4	9	0520	NR					189100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 03 31	120 49 10	NW 1 25N 10E	22400E	11.49	12/23/55	SEP 54-DATE	AUG 54-DATE	1954		0.00	LOCAL

Station located 0.7 mi. below Montgomery Creek, 1.5 mi. SE of Taylorsville. Stage-discharge relationship at times affected by ice. Drainage area is 533 sq. mi.

TABLE 82

DAILY MEAN DISCHARGE

LIGHTS CREEK NEAR TAYLORSVILLE

IN SECOND FEET

STATION NO	WATER YEAR
A54570	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	3.3	11	7.5	8.4E	21	157	134	59	13	4.2	2.0	1
2	1.6	3.5	13	6.7	8.9E	21	165	148	57	12	4.0	1.9	2
3	1.7	3.4	9.2	6.8	9.5E	20	179	163	54	11	3.9	1.9	3
4	1.5	3.1	6.7	6.5	10 E	19	204	173	50	11	4.9	1.8	4
5	1.5	3.1	5.5	6.5	11	19	234	165	46	10	5.5	1.8	5
6	1.6	2.8	4.5	7.2	11	33	246 •	156	43	9.7	4.9	1.5	6
7	1.6	3.0	4.0E	7.2	20	31	271	150	41 •	9.3•	4.5	1.4	7
8	2.0	3.2	4.0E	7.5	38	30	279	144 •	39	9.3	4.1	1.5	8
9	2.2	3.1	3.8E	7.4	134	34	271	135	37	9.0	7.5	1.5	9
10	2.5	2.9	3.6E	7.0	146	32	230	119	36	8.6	6.3	1.4	10
11	3.1	3.2	3.5E	5.1	86	30	217	108	34	8.6	5.5	1.6	11
12	3.1	3.0	3.8E	7.9	61	27	242	101	32	8.7	4.9	1.6	12
13	2.7	2.8	4.0E	5.6	79	26 •	276	90	33	8.2	3.9	1.9	13
14	2.4	3.0	4.5E	4.8E	85	27	327	86	37	8.2	3.5•	2.1	14
15	2.2	3.4•	4.9E	4.5E	118	29	324	82	34	7.8	3.2	2.1	15
16	2.2	2.3	5.0	4.8E	82	29	282	83	29	7.4	2.9	2.0	16
17	2.2	1.9	5.2	5.4E	56	28	255 •	78	27	7.1	2.6	1.8	17
18	2.2	2.7	5.2	6.2	45	30	248	75	26	7.0	2.5	1.7•	18
19	2.2	3.2	5.7	7.5	38	39	232 •	74	24	6.6	2.5	1.8	19
20	3.1	3.8	13 •	8.5E	32	47	192	69	23	5.8	2.7	1.9	20
21	3.7	3.9	26	6.0E	29	45	181	66	21	5.4	2.7	2.0	21
22	3.6	3.9	14	5.0E	27	45	191	65	20	5.0	2.4	1.9	22
23	3.4	4.4	11	5.0E	27 •	39	211	65	19	4.7	2.2	1.8	23
24	3.4	4.4	9.1	5.0#	26	38	221	63	18	4.6	2.1	1.7	24
25	3.4	4.5	8.9	5.3E	22	47	203	64	17	4.5	1.8	1.7	25
26	4.1	5.9	7.5	5.6E	20 E	66	176	71	16	4.6	1.6	1.6	26
27	5.6	5.1	7.7	5.8E	20 E	96	189	64	16	4.4	1.7	2.3	27
28	6.1	4.4	6.8	5.9E	22	118	187	62	15	5.0	1.6	3.5	28
29	4.0	4.9	7.1	6.7E		122	148	64	14	9.3	1.7	4.3	29
30	3.5	8.2	6.5	7.0E		130	135	63	13	5.6	1.8	3.2	30
31	3.4		7.0	7.4E		140		62		4.8•	1.8		31
MEAN	2.8	3.7	7.5	6.3	45.4	47.0	222	98.1	31.0	7.6	3.4	2.0	MEAN
MAX.	6.1	8.2	26.0	8.5E	146	140	327	173	59.0	13.0	7.5	4.3	MAX.
MIN.	1.5	1.9	3.5E	4.5E	8.4E	19.0	135	62.0	13.0	4.4	1.6	1.4	MIN.
AC. FT.	173	219	460	387	2523	2892	13240	6034	1845	468	209	117	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
39.5	463	3.24	4	14	1850	NR					28560

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 09 59	120 47 33	SW30 27N 11E				SEP 54-DATE	SEP 54-DATE	1954		0.00	LOCAL

Station located 0.4 mi. below Moonlight Creek, 6.7 mi. N of Taylorsville. Tributary to East Branch North Fork Feather River via Indian Creek. Stage-diacharge relationship at times affected by ice. Drainage area is 57.6 sq. mi.

TABLE 83

DAILY MEAN DISCHARGE

SPANISH CREEK NEAR QUINCY

IN SECOND FEET

STATION NO	WATER YEAR
A54250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.7	13	314	30	28	94	358	365	144	34	16	12	1
2	9.7	13	192	29	29	94	388	358	143	33	14	12	2
3	10	12	102	29	29	86	429	382	135	32 •	15 •	11	3
4	10	12	70	26	31	84	469	406	119	31	16	12	4
5	10	12	53	26	33	110	511 •	411	109	28	16	12	5
6	10	11	46	25	45	270	533	393	106	27	15	13	6
7	11	12	39 •	26	246 •	199	567	375	102 •	29	15	13	7
8	11	12	36	27	559	176	606	364 •	101	27	15	13	8
9	11	12	31	30 •	1520	171	608	337	97	27	21	13	9
10	11	12	31	29	890	148	519	297	101	27	19	12	10
11	13 •	13	28	29	399	132	480	269	92	27	18	12	11
12	12	12	28	28	349	120	508	240	87	26	15	13	12
13	12	12	25	26	696	113 •	593	226	84	25	15 •	13	13
14	12	12	25	20 E	636	111	666	209 •	93	25	15	13	14
15	12	14 •	25	21 E	969	114	667	201	98	22	15	13	15
16	11	14	25	22 E	549	119	594	220	87	20	14 •	12	16
17	12	15	27	23 E	352	111	545	207	80	22	14	12	17
18	12	15	27	24 E	260	123	514	201	72	22	14	11 •	18
19	13	16	29	49	213	144	505	196	71	22	14	12	19
20	16	18	67	113 E	178	165	464	180	68	21	13	13	20
21	17	17	146	38 E	153	155	419	167	64	20	14	13	21
22	17	18	85	23 E	139 •	183	401	167	59	20	15	13	22
23	17	22	64	21 E	136	161	442	171	57	20	15	12	23
24	16	21	53	20 E	132	155	497	162	51	18	14	12	24
25	17	40	46	20 E	116	168	479	146	50	17	14	12	25
26	22	45	41	19 E	105	227	440	143	48	16	13	12	26
27	29	34	38	19 E	94 E	282	455	142	46	16	13	12	27
28	25	26	35	20 E	88	297	523	147	40	14	14	13	28
29	15	46	31	22		305	444	162	37	15	13	12	29
30	14	174	30	25		324	392	157	34	15	12	12	30
31	13		29	27		335		151		16	12		31
MEAN	13.9	23.5	58.6	28.6	321	170	501	244	82.5	23.0	14.8	12.3	MEAN
MAX.	29.0	174	314	113 E	1520	335	667	411	144	34.0	21.0	13.0	MAX.
MIN.	9.7	11.0	25.0	19.0E	28.0	84.0	358	142	34.0	14.0	12.0	11.0	MIN.
AC. FT.	854	1398	3606	1757	17800	10470	29790	14980	4909	1416	908	734	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
122	2520	6.85	2	9	1940	NR					88610

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 56 43	121 00 20	NW17 24N 9E				AUG 54-DATE	AUG 54-DATE	1956		0.00	LOCAL

Station located on north edge of Bucks Lake Road, 3.2 mi. W of Quincy. Tributary to East Branch North Fork Festher River. Stage-discharge relationship at times affected by ice. Drainage area is 69.1 sq. mi.

TABLE 84

DAILY MEAN DISCHARGE

FEATHER RIVER NEAR GRIDLEY

IN SECOND FEET

STATION NO	WATER YEAR
A05165	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	198	350	5560	1750	1750	5070	7800	5950	3210	926 E	731	893	1
2	193	537	7740	1300	1790	6730	8090	5860	3400	911 E	1000	920	2
3	376	571	3980	1260	1630	6190	8230	6230	3370	895 E	687	928	3
4	336	505	2130	1270	1400	5450	8750	6710	2990	992 E	1070	959	4
5	424	330	2420	1390	1640	5220	9760	7180	2450	1020 E	654	885	5
6	420	318	2050	1300	1980	10100	10500	7040	2130	888 E	729 *	742	6
7	327	316	1950	1260	2500	10500	11000	6820	2060	772 E	1080	687	7
8	220	344	1940	1340	5460	7790	11600	6930	2030	725	820	702	8
9	217	434	1910	1340	15200	6900	12300	7150	1990	730	1440 E	516	9
10	229	391	1870	1270	36900	6660	12200	6920	2010	739	1480 E	612	10
11	266	393	1890	1260	20900	6130	11300	6460	1940	698	1370 E	881	11
12	306	382	1990	1270	13700	5860	10800	6080	1810	645	784 E	1040	12
13	414 *	477	2000	1210	20600 *	5490	11500	5790	1690	593	846 E	1180	13
14	347	697	2000	1180	26800	5150	12100	5350	2210	564	859 E	1220	14
15	323	709	2010	1230	32700	4910	13200	5010 E	3390	549	662 E	1180	15
16	319	654	1970	1230	28300	4810	12900	5780 E	2950	530	630	1170	16
17	608	673 *	1920	1230	18700	4640	11700	5980 E	2970	877	730	1170	17
18	392	583	1990	1230	14000	4270	10700	4760 E	2890	691	1060	1240	18
19	320	553	1490	2260	11800	4360	10100	4740	2370	643	986	1200	19
20	343	590	2240	7230	10100	4460	9470	4190 E	2280	923	938	1190	20
21	334	671	4260	2970	9140	4600	8020	4170	2410	1180	737	1250	21
22	328	1010	2910	2170	7560	5670	7430	3610	2620	831	690	1210	22
23	308	770	2180	1860 *	6860	5980	7930	4180	1120	795	704	1210	23
24	283	746	1860	1490	6560	5270	8330	3390	722	1400	719	1230	24
25	281	1040	1600	1500	6160	4940	8220	2670 *	720	1310	746	921	25
26	346	1380	1510 *	1380	5760	5140	7670	2430	1890 *	714	746	717	26
27	371	1320	1450	1310	5210	6510	7080 *	2400	2030	677	772	709	27
28	398	1450	1540	1290	4880	6760 *	8820	2490	1180	1100	821	752	28
29	454	1570	2240	1270		7350	7520	3330	987	625	836	1040	29
30	408	2920	2130	1540		7470	6330	3720	959	564	868 *	919	30
31	368		2130	1720		7540		3770		1030	865		31
MEAN	337	756	2415	1655	11430	6062	9712	5067	2159	824	873	976	MEAN
MAX.	608	2920	7740	7230	36900	10500	13200	7180	3400	1400	1480 E	1250	MAX.
MIN.	193	316	1450	1180	1400	4270	6330	2400	720	530	630	516	MIN.
AC. FT.	20740	44990	148500	101800	634700	372700	577900	311600	128500	50650	53670	58060	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE
3458

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
40100	89.46	2	10	0530

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
186	75.12	10	2	2400

TOTAL ACRE FEET
2504000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 22 01	121 38 43	SW33 18N 3E		102.25	12/23/55	1/44-DATE	3/29-5/37 # 10/37-4/39 11/39-7/40 10/40-7/43 10/43-DATE	1929 1929		0.00 -3.64	USED USCGS

Station located at highway bridge, 2.7 mi. E of Gridley. Drainage area is 3,684 sq. mi.

- Flood season only

TABLE 85

DAILY MEAN DISCHARGE

NORTH HONCUT CREEK NEAR BANGOR

IN SECOND FEET

STATION NO	WATER YEAR
A05735	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	0.0*	2.2	4.2	90	19	2.7	4.6	0.0	0.0	0.0	1
2	0.0	0.0	11	1.9	3.9	593	20	2.6	4.4	0.0	0.0	0.0	2
3	0.0*	0.0	30	1.8	3.7	165	19	2.2	3.6	0.0	0.0*	0.0	3
4	0.0	0.0	12	1.8	3.7	97	17	2.0	3.3	0.0	0.0	0.0	4
5	0.0	0.0	6.5	1.8	3.2	156	15	2.0	3.2	0.0	0.0	0.0	5
6	0.0	0.0	5.2	1.8	3.5	1060	13	1.7	2.7	0.0	0.0	0.0	6
7	0.0	0.0	4.4	1.8	22	346	12	1.6	2.0	0.0	0.0	0.0	7
8	0.0	0.0	4.0	1.7	216	154	13	1.4	1.6	0.0	0.0	0.0	8
9	0.0	0.0	3.6	1.6	1210	105	12	1.2	1.0	0.0	0.0	0.0	9
10	0.0	0.0	3.5	1.5	1340	80	11	1.2	0.6	0.0	0.0	0.0	10
11	0.0	0.0	2.9	1.5	396	66	9.7	1.3	0.4	0.0	0.0	0.0	11
12	0.0	0.0	2.8	1.9	510	56	8.1	1.2	0.3*	0.0	0.0	0.0	12
13	0.0*	0.0	3.0	1.6	1540 *	48	7.5	1.2	0.2	0.0	0.0	0.0*	13
14	0.0	0.0	3.1*	1.4	1100	43	8.7	1.5	0.1	0.0	0.0	0.0*	14
15	0.0	0.0	3.2	1.5	1890 E	40	6.9	2.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	2.8	1.5	618	37	6.0	4.9	0.0	0.0	0.0	0.0	16
17	0.0	0.0*	2.5	1.4	198	35	6.5	20	0.0	0.0	0.0	0.0	17
18	0.0	0.0	2.4	1.5	152	32	6.0	11	0.0	0.0	0.0	0.0	18
19	0.0	0.0	3.3	70	184	27	6.5	6.2	0.0	0.0	0.0	0.0	19
20	0.0	0.0	27	286	112	25	7.8	5.7	0.0	0.0	0.0	0.0	20
21	0.0	0.0	20	57	97	28	8.3	8.4	0.0	0.0	0.0	0.0	21
22	0.0	0.0	13	32	71	105	6.6	12	0.0	0.0	0.0	0.0	22
23	0.0	0.0	8.3	19 *	57	75	6.9	12	0.0	0.0	0.0	0.0	23
24	0.0	0.0	5.7	12	52	49	5.9	12	0.0	0.0	0.0	0.0	24
25	0.0	0.0	4.7	8.7	63	41	4.5	12	0.0	0.0	0.0	0.0	25
26	0.0	0.0	4.1	7.5	67	35	3.5	8.8	0.0	0.0	0.0	0.0	26
27	0.0	0.0	3.9	6.0	52	33	3.0*	7.1	0.0	0.0	0.0	0.0	27
28	0.0	0.0	3.5	5.4	47	28 *	2.9	6.5	0.0	0.0	0.0	0.0	28
29	0.0	0.0	3.0	4.7		26	3.6	6.1	0.0	0.0	0.0	0.0	29
30	0.0	0.0	2.6	4.7		22	3.0	5.8	0.0	0.0	0.0	0.0	30
31	0.0		2.3	4.5		21		5.1		0.0	0.0		31
MEAN	0.0	0.0	6.6	17.7	358	120	9.1	5.5	0.9	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	30.0	286	1890 E	1060	20.0	20.0	4.6	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	1.4	3.2	21.0	2.9	1.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.			405	1086	19870	7375	541	336	56				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
41.0	3620 E	9.08	2	15	0200	0.0		10	1	0000	29670

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 32	121 29 25	SW11 17N 4E	3620E	9.08	2/15/62	OCT 59-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mi. N of Honcut-Wyand Road and Bangor Highway junction, 5.7 mi. SW of Bangor. Tributary to Feather River. Drainage area is 47.1 sq. mi.

TABLE 86

DAILY MEAN DISCHARGE

FEATHER RIVER AT YUBA CITY
IN SECOND FEET

STATION NO	WATER YEAR
A05135	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	570	672	4380	2080	1840	5650 E	7820	6390	3450 E	1250	753	967	1
2	563	702	6420	1570	1790	5650 E	8150	6200	3450 E	1200	949	1060	2
3	586	926	5380	1470	1820	5650 E	8340	6500	3450 E	1110	761	1050	3
4	688	949	3090	1450	1600	5650 E	8650	7080	3450 E	1090	983	1090	4
5	685	810	2910	1460	1550	5650 E	9580	7660	3450 E	1180	805	1140	5
6	748	723	2690	1520	1940	9400 E	10300	7300 E	2500 E	1120	734 *	1020	6
7	723	743	2420	1450	2170	9400 E	10900	7300 E	2500 E	986	1060	972	7
8	677	751	2280	1450	3690	9400 E	11500	7300 E	2500 E	940	854	940	8
9	627	783	2260 E	1570	10800	9400 E	12100	7300 E	2500 E	889	1110	909	9
10	615	782	2180 E	1460	31600 E	9400 E	12300	7300 E	2500 E	839	1230	821	10
11	624	761	2180 E	1440	32700 E	6520	11500	7380	2450 E	810	1330	928	11
12	642	756	2210 E	1410	19500 E	6110	10700	6680	2450 #	793	971	1230	12
13	688	755	2200 E	1400	20000 E	5820	11200	6260	2450 E	765	864	1330	13
14	731	843	2280 E	1260	27300 E	5560	12000	5910	2450 E	706	988	1430	14
15	673	884	2210 E	1290	34300 E	5410	12900	5500 *	2450 E	729	812	1460	15
16	654 *	860	2210 E	1270	34500 #	5310	13100	5400	2950 E	743	722	1420	16
17	667	846 *	2150 E	1250	26600	5230	12100	5590	2950 E	739	733	1460	17
18	847	915	2140 E	1260	17600	5040	10900	5250	2950 E	880	934	1460	18
19	734	878	1990 E	1460	13700	5110	10400	5220	2950 E	740	1090	1520	19
20	665	898	1980 E	5760	11100	5200	10100	4780	2950 E	746	1020	1430	20
21	675	944	3110 E	4100 E	10100	5750 E	8600	3750 E	1920 E	1090	951	1470	21
22	669	1100	3520 E	2440 E	8150	5750 E	7820	3750 E	1920 E	976	804	1510	22
23	672	1270	2480 E	2220	7160	5750 E	7940	3750 E	1920 E	788	808	1440	23
24	658	1050	2130 E	1730 *	6790	5750 E	8560	3750 E	1920 E	1130	850	1510	24
25	629	1170	1880 E	1700	6290	5750 E	8740	3750 E	1920 E	1210	864	1440	25
26	639	1600	1760 E	1600	5830	5630	8230	2700 E	1580	862	890	1150	26
27	728	1630	1680 E	1530	5430 *	6460 *	7560	2700 E	2270	713	917	1080	27
28	731	1690	1620 #	1500	5170	6780	8820	2700 E	1900	960	916	1090	28
29	739	1770	1950	1450		7360	8580	2700 E	1390	811	941	1220	29
30	745	2200	2180	1480		7680	7050	2700 E	1270	669	954 *	1330	30
31	707		2020	1720		7730		2700 E		884	985		31
MEAN	677	1022	2577	1766	12540	6482	9881	5266	2492	915	921	1229	MEAN
MAX.	847	2200	6420	5760	34500 E	9400 E	13100	7660	3450 E	1250	1330	1520	MAX.
MIN.	563	672	1620 E	1250	1550	5040	7050	2700 E	1270	669	722	821	MIN.
AC. FT.	41650	60820	158500	108600	696200	398800	587900	323800	148300	56230	56650	73140	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
3743	NR					541	39.13	7	31	0240	2710000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 08 20	121 36 17	SE23 15N 3E		82.42	12/24/55	7/44-10/45 δ 1/46-DATE	11/43-DATE	1943 1943		0.00 -3.0	USED USCOS

Station located at Yuba City-Marysville "5th Street" Highway bridge (Sacramento No. Railroad bridge). Backwater from Yuba River at timea affects stage-discharge relationahip. Drainage area is 3,985 sq. mi.

δ - Irrigation season only

TABLE 87

DAILY MEAN DISCHARGE

DEER CREEK NEAR NEVADA CITY

IN SECOND FEET

STATION NO	WATER YEAR
A61380	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13	4.3	19	2.9	1.0	18	203	71	19	20	18	21	1
2	13	4.5	14	2.8	0.9	36 •	204	69	32	20	16	21	2
3	13	4.6	5.2	2.9	0.8	16	155	68	26	20	18	21	3
4	12	4.6	2.6	2.9	0.7	14	119	66	16	20	18	21	4
5	12	4.4	2.2	2.9•	0.8	41	107 •	61	5.9	19	18	25	5
6	12	4.4	2.1	3.0	0.9	274	101	61	8.0	19	17	25	6
7	13	4.4	2.0•	2.7	3.3	292	102	59	13	19	17	25	7
8	14	4.1	2.0	2.7	4.2	292	102	45	14	19	18	24	8
9	14	4.0	1.8	2.5	70	273	103	36 •	13	19	18	24	9
10	14	4.3	1.9	2.4	119	231	100	35	12	23	18	24	10
11	15	4.4	2.1	2.4	36	214	60	34	11	17	18	25	11
12	12	4.1	2.1	2.3	28	200	7.9	35	12	18	17	25	12
13	7.5	4.2	2.0	2.3	125 •	187	6.4	35	12 •	19	17	25	13
14	7.4	4.3	1.9	2.2	66	182	5.8	36	12	19	17	25	14
15	7.4	4.3	2.0	2.1	113	181	5.7	38	13	19	17	24	15
16	5.9	4.8	2.0	1.9	60	179	5.7	44	12	19	17	24	16
17	2.2•	5.0	3.1	1.9	38	177	8.6	39	12	19	17	22	17
18	8.7	5.2	3.3	1.8	25	173	79	36	12	19 •	17	20	18
19	3.5	4.9	5.1	25	22	178	121	34	12	19	17	20	19
20	3.7	7.2	6.1	23	19	181	128	32	16	19	19 •	20	20
21	2.5	5.8	6.5	4.7	14	183	116	32	18	18	22	19	21
22	2.1	6.8	4.4	3.0	12	247	109	31	18	18	22	19	22
23	4.2	7.0	3.5	2.3	11	238	101	30	18	18	22	20	23
24	4.7	6.5	3.1	2.0	11	215	91	34	18	18	22	20	24
25	4.6	7.4	3.1	1.8	11	203	83	32	19	18	22	21 •	25
26	4.8	8.3	3.3	1.5	9.5	196	77	24	19	18	21	20	26
27	7.0	5.7	2.9	1.5	8.7	196	90	23	19	18	22	21	27
28	5.8	2.9	2.8	1.3	8.8	198	110	29	19	18	21	21	28
29	4.7	6.8	2.7	1.1		200	89	24	19	17	22	21	29
30	4.3	16	3.0	1.1		205	78	20	20	17	22	22	30
31	4.1		3.0	1.1		203		16		17	21		31
MEAN	8.1	5.6	3.9	3.7	29.3	181	88.9	39.6	15.7	18.7	19.0	22.2	MEAN
MAX.	15.0	16.0	19.0	25.0	125	292	204	71.0	32.0	23.0	22.0	25.0	MAX.
MIN.	2.1	2.9	1.8	1.1	0.7	14.0	5.7	16.0	5.9	17.0	17.0	19.0	MIN.
AC. FT.	500	332	240	226	1626	11150	5292	2436	932	1150	1170	1319	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
36.4	346	3.35	3	8	1620	0.7	1.32	2	4	0000	26380

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T. & R. M. D. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 16 05	120 59 53	NW 8 16N 9E	812	4.49	4/2/58	JUN 57-DATE	JUN 57-DATE	1957		0.00	LOCAL

Station located 1.0 mi. NE of Nevada City. Tributary to Yuba River. Flow regulated by Deer Creek and Scotts Flat Reservoirs. Drainage area is 26.0 sq. mi.

TABLE 88

DAILY MEAN DISCHARGE

BLOODY RUN CREEK NEAR NORTH SAN JUAN

IN SECOND FEET

STATION NO	WATER YEAR
A63350	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	0.8	11	1.3	2.0	17	39	18	5.7	2.1	1.6	0.8	1
2	NR	0.8	8.5	1.3	2.0	17	44	17	5.6	2.3*	1.4*	0.7	2
3	NR	0.7	4.5	1.3	2.0	14	48	16	5.2	2.3	1.2	0.7	3
4	NR	0.6	2.8	1.3	2.0	14	53	15	5.0	2.3	1.8	0.7	4
5	NR	0.5	1.9	1.2	2.2	16	60	14	4.7	2.3	1.9	0.7	5
6	0.4	0.5	1.6	1.1	3.2	19	64	13	4.5	2.0	1.8	0.7#	6
7	0.4	0.5	1.6	1.1	8.8	16	69	13	4.2	1.9	1.5	0.8	7
8	0.5	0.5*	1.4	1.1	16	15	72	13	4.2	1.9	1.5	0.8	8
9	0.6	0.5	1.6	1.1	74	15	71 *	11	4.2	2.1	2.2	0.7	9
10	0.7	0.5	1.2	1.0	136 E	14	66	11	4.2	2.1	1.7	0.8	10
11	1.1	0.5	2.0	1.1	84	14	61	11	4.1	1.9	1.6	0.8	11
12	0.9	0.5	1.2	1.2	63	14	58	10	4.0	2.0	1.5	0.8	12
13	0.7	0.6	1.0	1.2	75 *	13	58	9.9	4.1	2.0	1.5	0.8	13
14	0.7	0.6	1.0*	1.7	98	12	58	9.9	4.3	1.8	1.4	0.8	14
15	0.7	0.6	1.1	2.0	137	12	55	9.8	4.4	1.6	1.4	0.8	15
16	0.6	0.6	1.0	2.5	113	12	49	9.9	4.2	1.5	1.1	0.8	16
17	0.6	0.6	1.4	2.5	80	12	42	8.5	4.1	1.5	1.2	0.8	17
18	0.6	0.7	1.5	1.7	62	13	39	8.0	3.7	2.1	1.0	0.7	18
19	0.6	0.7	4.5	4.2	50	13	37	7.7	3.7	2.2	1.0	0.7	19
20	0.7	1.4	8.0	4.3	42	14	34	7.5	3.4	2.2	0.9	0.8	20
21	0.8	0.8	8.6	2.4	33	14	30	7.2	3.1	2.1	0.7	0.9	21
22	0.8	1.3	5.6	2.6	28	15	28	7.2	3.1	2.0	0.8	0.9	22
23	0.7	1.6	3.9	1.6	25	14	27	6.9*	3.1	1.9	0.8	0.9	23
24	0.8	1.4	3.2	1.6	23	15	25 *	7.1	2.8	2.0	0.8	0.8	24
25	0.8	1.7	3.1	1.6	21	15	24	7.0	2.9	2.0	0.8	0.8	25
26	1.1	2.6	2.6	1.5*	19	16	22	7.0	2.6	2.2	0.7	0.8	26
27	1.8	1.6	2.4	1.5	18	18 *	24	7.3	2.5	1.9	0.6	1.2	27
28	1.8	1.1*	2.3	1.6	17	21	24	7.3	2.5	1.7	0.6	1.5	28
29	1.2	2.3	2.1	1.7		25	21	6.8	2.4	1.5	0.6	1.6	29
30	1.1	9.2	1.9	1.9		29	19	6.1	2.2	1.6	0.8	1.2	30
31	0.9		1.7	2.0		33		5.8		1.6	0.8		31
MEAN	NR	1.2	3.1	1.7	44.2	16.2	44.0	10.0	3.8	2.0	1.2	0.9	MEAN
MAX.	NR	9.2	11.0	4.3	137	33.0	72.0	18.0	5.7	2.3	2.2	1.6	MAX.
MIN.	NR	0.5	1.0	1.0	2.0	12.0	19.0	5.8	2.2	1.5	0.6	0.7	MIN.
AC. FT.	NR	72	191	108	2452	994	2620	613	228	120	74	51	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
\# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 24 02	120 54 03	NW30 18N 10E	170E	3.32	2/10/62	OCT 61-DATE	OCT 61-DATE	1961		0.00	LOCAL

Station located 1,000 ft. above bridge on Forest Service Road, 11 mi. E of North San Juan. Tributary to Middle Yuba River. Recorder installed Oct. 5, 1961.

TABLE 89

DAILY MEAN DISCHARGE

GRIZZLY CREEK NEAR NORTH SAN JUAN

IN SECOND FEET

STATION NO	WATER YEAR
A63300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	0.6	5.4	0.4	0.6	4.3	6.6	3.2	1.7	0.8E	0.3	0.2	1
2	NR	0.5	5.3	0.4	0.6	5.3*	6.7	2.7	1.8	0.7#	0.3*	0.1	2
3	NR	0.4	2.9	0.4	0.6	5.0	6.7	2.7	1.7	0.7	0.3	0.1	3
4	0.1	0.4E	1.4	0.4	0.6	4.2	6.7	2.6	1.8	0.6	0.4	0.2	4
5	0.1	0.3E	0.9	0.4	0.7	4.8	6.7*	2.8	1.6	0.6	0.4	0.2	5
6	0.1	0.2E	0.7	0.3	1.0	12	6.7	2.3	1.6	0.6	0.3	0.2*	6
7	0.1	0.2E	0.6	0.3	2.7	11	6.7	2.2	1.4	0.5	0.3	0.2	7
8	0.2	0.2#	0.6	0.3	4.8	9.0	6.7	2.2	1.3	0.6	0.3	0.1	8
9	0.2	0.2	0.6	0.3	22 E	7.9	6.7	2.2	1.3	0.4	0.5	0.1	9
10	0.3	0.2	0.6	0.3	32 E	7.2	6.4	2.2	1.3	0.5	0.4	0.1	10
11	0.5	0.2	0.6	0.3	18	6.2	6.1	2.2	1.2	0.4	0.4	0.1	11
12	0.6	0.2	0.5	0.3	13	6.0	5.8	2.2	1.4	0.5	0.3	0.2	12
13	0.6	0.2	0.5	0.3	19 *	5.6	5.6	2.3	1.3	0.5	0.3	0.2	13
14	0.5	0.2	0.4*	0.3	18	5.3	5.3	2.2	1.2	0.5	0.3	0.1	14
15	0.4	0.2	0.4	0.2	25 E	5.3	5.3	2.0	1.2	0.4	0.3	0.1	15
16	0.4	0.2	0.4	0.2	23	5.1	4.8	2.4	1.2	0.4	0.2	0.2	16
17	0.4	0.2	0.6	0.2	17	4.7	4.6	2.1	1.2	0.4	0.3	0.1	17
18	0.4	0.2	0.7	0.3	13	5.2	4.2	1.9	1.1	0.5	0.2	0.1	18
19	0.5	0.2	3.0	4.8	11	5.4	4.3	1.6	1.0	0.5	0.2	0.2	19
20	0.6	0.6	5.5	8.8	9.5	5.7*	4.1	1.8	0.8	0.4	0.2	0.1	20
21	0.8	0.4	5.6	4.2	8.1	5.8	3.9	1.8	0.7	0.4	0.2	0.1	21
22	0.8	0.6	3.1	1.7	7.2	7.5	3.8	1.8	0.7	0.4	0.2	0.1	22
23	0.9	0.5	1.6	1.3	6.6	8.2	3.6	1.9*	0.7	0.4	0.2	0.1	23
24	0.9	0.5	1.1	1.1	5.8	7.2	3.2*	2.1	0.7	0.5	0.2	0.1	24
25	0.9	0.5	0.9	1.1	5.1	6.7	3.2	2.1	0.7	0.4	0.2	0.1	25
26	1.2	0.8	0.7	0.8*	5.1	6.7	3.2	2.1	0.7	0.3	0.2	0.1	26
27	1.8	0.5	0.6	0.7	4.5	6.7	4.0	2.1	0.7	0.3	0.1	0.2	27
28	1.2	0.4*	0.6	0.7	4.0	6.9	4.5	1.9	0.7	0.3	0.1	0.4	28
29	0.9	1.8	0.6	0.7		6.8	3.7	1.9	0.7E	0.3	0.1	0.3	29
30	0.8	5.7	0.5	0.7		6.8	3.5	1.8	0.7E	0.3	0.2	0.2	30
31	0.6		0.5	0.6		6.9		1.7		0.3	0.2		31
MEAN	NR	0.6	1.5	1.1	9.9	6.5	5.1	2.2	1.1	0.5	0.3	0.2	MEAN
MAX.	NR	5.7	5.6	8.8	32.0E	12.0	6.7	3.2	1.8	0.8E	0.5	0.4	MAX.
MIN.	NR	0.2E	0.4	0.2	0.6	4.2	3.2	1.6	0.7	0.3	0.1	0.1	MIN.
AC. FT.	NR	34	94	65	552	399	304	133	68	29	16	9	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 24 10	120 57 53	SE21 18N 9E	41E	1.59	2/9/62	OCT 61-DATE	OCT 61-DATE	1961		0.00	LOCAL

Station located 100 ft. below bridge on Forest Service Road, 7.8 mi. E of North San Juan. Tributary to Middle Yuba River. Recorder installed Oct. 3, 1961.

TABLE 90

DAILY MEAN DISCHARGE

FEATHER RIVER BELOW SHANGHAI BEND

IN SECOND FEET

STATION NO	WATER YEAR
A05120	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	546	786	4730	2900	2650	7390	11700	9730	7070	1770 E	790 E	977	1
2	536	838	7300	2320	2570	13700	12200	9410	7200	1620 E	990 E	1070	2
3	543	1160	6530	2180	2590	11700	12400	9870	7320	1440 E	800 E	1080	3
4	662	1170	3890	2160	2310	8970	12900	10800	7130	1380 E	1020 E	1110	4
5	661	956	3540	2170	2230	8310	14200	11900	6110	1470 E	850 E	1160	5
6	722	867	3350 F	2290	2660	15300	15400	12300	5190	1290 E	780 #	1110	6
7	691	897	3030 F	2260	2980	21100	16300	12700	4700	1160 E	1100 E	1050	7
8	648	916	2890 F	2260	4450	15500	17200	12600	4940	1130 E	900 E	1000	8
9	600	967	2900 E	2410	21000 E	11700	18100	13000	4940	1030 E	1160 E	978	9
10	599	954	2850 E	2290	73000 E	10900	18600	13000	5050	970 E	1280	896	10
11	612	943	2830 E	2270	48000 E	9730	17400	11700	5360	920 E	1350	924	11
12	635	962	2860 F	2250	28500 E	9020	16300	10300	5040	900 E	1080	1230	12
13	668 *	964	2820	2230	36500 E	8470	16800	9560	4800	850 E	916	1340	13
14	708	1070	2930	2050	45500 E	8040	18000	8850	4660	780 E	1010	1480	14
15	647	1110	2870	2100	59000 E	7830	19400	8200	5350	790 E	884	1530	15
16	625	1080	2880	2080	51500 E	7770	19800	7940	5210	800 E	767	1460 E	16
17	654	1070	2810	2070	36900 E	7680	18400	8180	5030	800 E	755	1500 E	17
18	640	1160	2800	2070	25100	7450	16800	7790	4990	940 E	950 E	1500 E	18
19	728	1130	2650	2390	19600	7500	16000	7720	4590	790 E	1100 E	1570 E	19
20	657	1150	2630	8200 E	16000	7710	15600	7310	4220	790 E	1100 E	1530 E	20
21	714	1220 *	3730	6000 E	14700	7960	13300	6560	4060	1130 E	980 E	1570 E	21
22	711	1430	4420	3570 E	11800	8580	12000	6010	4160	1020 E	828	1610 E	22
23	735	1620	3260	3310 E	10200	10600	12200	6640	3400	830 E	808	1590	23
24	719	1350	2870	2670 #	9650	9150	13200	7220	2250 E	1170 E	825	1610	24
25	694	1510	2580	2590	8950	8520	13600	6430 *	1900 E	1250 E	854	1620	25
26	717	1960	2460	2460	8320	8430	12900 *	5810	2220 #	900 E	891	1320	26
27	831	2010	2380 *	2360	7690 *	9350 *	11700	5490	3100 E	750 E	943 *	1220	27
28	812	2070	2310	2300	7260	9950	13600	5420	2670 E	1000 E	951	1230	28
29	819	2110	2710	2240		10800	13600	6150	1920 E	860 E	970	1330	29
30	835	2600	3010	2250		11300	10900	7030	1680 E	710 E	989	1480	30
31	799		2840	2520		11500		7470		920 E	983		31
MEAN	689	1268	3279	2685	20060	10060	15020	8809	4542	1037	955	1303	MEAN
MAX.	840	2600	7300	8200 E	73000 E	21100	19800	13000	7320	1770 E	1350	1620	MAX.
MIN.	538	786	2310	2050	2230	7390	10900	5420	1680 E	710 E	755	896	MIN.
AC. FT.	42390	75430	201600	165100	1114000	618700	893600	541700	270300	63790	58720	77500	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5694	NR					NR					4123000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 04 44	121 36 08	NE11 14N 3E		76.8	12/24/55	6/44-10/45 δ 1/46-DATE	11/26-5/37 # 10/37-5/39 11/39-7/41 11/41-7/43 # 10/43-DATE			0.00	USED

Station located approx. 4 mi. S of Yuba City. Flow partly regulated by reaervoirs and power plants. High flows rated by means of almultaneous current meter measurements of Yuba River near Marysville and Feather River at Yuba City. Record liated ie not considered to have the aame degree of accuracy as other recorda published in this report. Drainage area is 5,343 sq. mi.

δ - Irrigation season only
\# - Flood season only

TABLE 91

DAILY MEAN DISCHARGE

WOLF CREEK NEAR WOLF
IN SECOND FEET

STATION NO	WATER YEAR
A65250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	4.9	230	25	32	320	65	33	18	14	3.1	5.5	1
2	9.6	4.9	233	26	30	1160	74	31	17	9.7	3.3	3.5	2
3	10	5.8	98	24	28	406	84	28	15	8.7	2.7	2.9	3
4	12	5.9	46	24 *	27	267	81	25	14	8.1	3.6	4.0	4
5	13	5.5	37	23	27	338	78	22	16	6.6	6.1	8.5	5
6	10	5.1	34	22	32	1060	74 *	19	20	7.3	6.7	8.3	6
7	11	5.3	31 *	22	109	553 *	73	17	15	5.8	7.1	7.4	7
8	12	5.1	29	20	128	333	69	18	12	6.7	6.4	5.7	8
9	12	4.6	26	20	3080 E	256	59	22 *	13	5.2	13	6.3	9
10	13	5.6	24	20	3780 #	208	44	24	13	5.0	12	6.8	10
11	24	7.7	24	16	1010	192	48	24	12	3.2	6.9	7.6	11
12	23	5.7	22	19	734	164	36	21	13	2.1	7.6	8.6	12
13	16	4.7	23	22	2090	146	30	22	14 *	9.3	7.4	7.2	13
14	13	4.0	23	18	1310	134	29	25	14	9.2	7.4	8.7	14
15	12	4.5	22	19	2520	124	27	29	20	3.9	6.5	8.0	15
16	14	4.1	21	18	1100	119	27	37	24	5.7	5.0	8.6	16
17	11 *	5.1	28	18	659	109	28	30	19	5.8	2.0	8.2	17
18	6.9	6.4	37	18	402	102	36	28	16	4.7*	1.6	10	18
19	9.9	7.3	99	823	344	97	50	26	12	4.9	4.3	11	19
20	8.3	20	219	1140	258	102	81	22	10	4.8	5.8*	13	20
21	10	18	137	180	215	102	31	22	8.6	3.6	7.9	13	21
22	8.0	14	65	102	169	296	27	21	7.8	5.3	4.4	13	22
23	6.7	15	43	75	150 *	195	26	23	6.6	14	4.8	13	23
24	6.0	13	38	54	136	145	25	23	9.4	7.2	4.9	13	24
25	5.9	13	35	46	124	126	24	21	12	3.6	3.3	11 *	25
26	6.2	23	33	42	127	109	24	23	11	1.6	2.5	12	26
27	7.6	22	31	40	107	102	45	23	14	3.2	3.2	9.9	27
28	8.3	15	30	37	102	93	113	21	15	3.6	2.9	18	28
29	6.7	59	28	35		82	42	25	14	2.2	4.4	16	29
30	6.3	246	26	35		70	37	23	15	2.2	7.8	14	30
31	5.5		25	34		65		21		2.1	4.6		31
MEAN	10.6	18.7	58.0	97.3	673	244	49.6	24.2	14.0	5.8	5.5	9.4	MEAN
MAX.	24.0	246	233	1140	3780 E	1160	113	37.0	24.0	14.0	13.0	18.0	MAX.
MIN.	5.5	4.0	21.0	16.0	27.0	65.0	24.0	17.0	6.6	1.6	1.6	2.9	MIN.
AC. FT.	654	1111	3564	5984	37350	15030	2953	1486	834	356	336	561	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
97.0	10400 E	19.15	2	9	1940	0.2	8.34	8	17	2000	70210

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 02 41	121 06 32	SE20 14N 8E				MAY 57-DATE	MAY 57-DATE	1957		0.00	LOCAL

Station located 0.8 mi. W of State Highway 49, 1.9 mi. SE of Wolf. Tributary to Bear River. Drainage area is approx. 76 sq. mi.

TABLE 92

DAILY MEAN DISCHARGE

AUBURN RAVINE AT LINCOLN

IN SECOND FEET

STATION NO	WATER YEAR
A00060	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.0	7.5	124	28	NR	NR	NR	NR	NR	NR	NR	NR	1
2	3.1	8.2	155	29	NR	NR	NR	NR	NR	NR	NR	NR	2
3	4.4	7.6	82	29	NR	NR	NR	NR	NR	NR	NR	NR	3
4	3.6	8.6	49	NR *	NR	NR	NR	NR	NR	NR	NR	NR	4
5	3.8	9.0	43	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	2.8	9.2	40 *	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	3.3	9.4	42	NR	NR	NR	NR	NR	NR	NR	NR	NR	7
8	3.5	14	38	NR	NR	NR	NR	NR	NR	NR	NR	NR	8
9	6.6	28	43	NR	NR	NR	NR	NR	NR	NR	NR	NR	9
10	5.4	28	37	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	7.2	15	37	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	11	12	39	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	6.6	17	37	NR	NR	NR	NR	NR	NR	NR	NR	NR	13
14	6.1	27	41	NR	NR	NR	NR	NR	NR	NR	NR	NR	14
15	4.8	30	32	NR	NR	NR	NR	NR	NR	NR	NR	NR	15
16	4.0*	30	29	NR	NR	NR	NR	NR	NR	NR	NR	NR	16
17	4.8	27	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	17
18	2.3	11	41	NR	NR	NR	NR	NR	NR	NR	NR	NR	18
19	2.8	13	52	NR	NR	NR	NR	NR	NR	NR	NR	NR	19
20	7.4	27	49	NR	NR	NR	NR	NR	NR	NR	NR	NR	30
21	13	20	44	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	13	22	42	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	14	22	38	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	10	23	37	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	7.9	26	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	7.6	40	31	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	10	28	27	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	15	24	29	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	15	59	31	NR		NR	NR	NR	NR	NR	NR	NR	29
30	9.1	135	27	NR		NR	NR	NR	NR	NR	NR	NR	30
31	9.0		27	NR		NR		NR		NR	NR		31
MEAN	7.2	24.6	45.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	15.0	135	155	NR	NR	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	2.3	7.5	27.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	441	1463	2795	NR	NR	NR	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.& M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 53 22	121 17 00	SE15 12N 6E				NOV 47-OCT 60 JAN 61-JAN 62	NOV 47-OCT 60 JAN 61-JAN 62	1957	1957	150.74 148.59	USCOS USCGS

Station located 500 ft. below the Lincoln-Newcastle Highway bridge. Tributary to Sacramento River via Natomas Cross Canal. Flow regulated by power plants. Drainage area is 34.6 aq. mi. Station discontinued Jan. 4, 1962.

TABLE 93

DAILY MEAN DISCHARGE

COON CREEK AT HIGHWAY 99E

IN SECOND FEET

STATION NO	WATER YEAR
A00080	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13	17	208	24	NR	NR	NR	NR	NR	NR	NR	NR	1
2	14	17	260	30	NR	NR	NR	NR	NR	NR	NR	NR	2
3	11	17	168	26	NR	NR	NR	NR	NR	NR	NR	NR	3
4	8.6	16	77	NR *	NR	NR	NR	NR	NR	NR	NR	NR	4
5	11	14	58 *	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	7.7	13	50	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	9.4	14	43	NR	NR	NR	NR	NR	NR	NR	NR	NR	7
8	9.8	13	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	8
9	16	9.0	38	NR	NR	NR	NR	NR	NR	NR	NR	NR	9
10	14	7.2	36	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	19	8.9	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	31	13	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	28	13	32	NR	NR	NR	NR	NR	NR	NR	NR	NR	13
14	25	10	30	NR	NR	NR	NR	NR	NR	NR	NR	NR	14
15	22	8.5	29	NR	NR	NR	NR	NR	NR	NR	NR	NR	15
16	20 *	8.5	28	NR	NR	NR	NR	NR	NR	NR	NR	NR	16
17	16	9.9	29	NR	NR	NR	NR	NR	NR	NR	NR	NR	17
18	12	12	31	NR	NR	NR	NR	NR	NR	NR	NR	NR	18
19	9.7	15	42	NR	NR	NR	NR	NR	NR	NR	NR	NR	19
20	7.7	22	55	NR	NR	NR	NR	NR	NR	NR	NR	NR	20
21	11	29	48	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	12	23	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	13	21	34	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	16	20	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	15	19	32	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	14	29	31	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	20	28	26	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	20	24	26	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	19	40	25	NR		NR	NR	NR	NR	NR	NR	NR	29
30	18	198	25	NR		NR	NR	NR	NR	NR	NR	NR	30
31	18		27	NR		NR		NR		NR	NR		31
MEAN	15.5	23.0	53.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	31.0	198	260	NR	NR	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	7.7	7.2	25.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	954	1367	3306	NR	NR	NR	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 56 15	121 20 59	NW31 13N 6E	6180E	54.88	12/23/55	NOV 47-OCT 60 JAN 61-JAN 62	NOV 47-OCT 60 JAN 61-JAN 62			55.70	USCGS

Station located 20 ft. below U. S. Highway 99E bridge, 3.2 mi. SE of Sheridan. Tributary to Sacramento River via Natomas Cross Canal. Drainage area is 82.5 sq. mi. Station discontinued Jan. 4, 1962.

TABLE 94

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1001 DRAINAGE TO NATOMAS CROSS CANAL

STATION NO	WATER YEAR
A02918	1962

IN SECOND FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	0.0	2.9	0.0	107	19.4	2.9	12.8	4.6	0.0	0.0	0.0	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.			177		5930	1190	175	788	275				AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
11.8	NR					NR					8535

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 47 26	121 35 47	NW24 11N 3E				JAN 40-DATE					

Plant located 1.2 mi. E of Verona. Discharge computed from records of operation of pumps. This is drainage returned by pumping only. There is an undetermined amount of gravity flow.

TABLE 95

DAILY MEAN DISCHARGE

R D 1000 DRAINAGE TO SACRAMENTO RIVER PRICHARD LAKE

IN SECOND FEET

STATION NO	WATER YEAR
A02918	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	178	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	248	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	69.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					3874								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5.4	NR					0.0		10	1	0000	3874

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 43 51	121 36 07	SE12 10N 3E				JAN 55-DATE					

Plant located 3.9 mi. S of Verona. Discharge computed from records of operation of pumps. This is drainage returned by pumping only. Additional water is returned by Second Bannon Slough Plant and an undetermined amount by No. 3 Plant. There is an undetermined amount of gravity flow.

TABLE 96

DAILY MEAN DISCHARGE

SACRAMENTO WEIR SPILL TO YOLO BYPASS

IN SECOND FEET

STATION NO	WATER YEAR
402903	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	148	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	419	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	528	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	521	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	427	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	298	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	98.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	528	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					5451								AC. FT.

e — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— e AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7.5	543	27.49	2	16	0800	0.0		10	1		5451

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			118000E	32.8	3/26/28	26-DATE					

See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 25.0 ft. USED datum; elevation of movable crest (top of needles) is 31.0 ft. USED datum. There are 48 gates, each 38 ft. in length. Gates not opened during year. Discharge listed is leakage through gates.

TABLE 97

DAILY MEAN DISCHARGE

R O 1000 DRAINAGE TO SACRAMENTO RIVER SECOND BANNON SLOUGH

IN SECOND FEET

STATION NO	WATER YEAR
A02901	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	83	0.0	22	74	0.0	0.0	37	1
2	0.0	0.0	131	0.0	0.0	71	0.0	16	70	23	0.0	41	2
3	0.0	0.0	63	0.0	0.0	52	0.0	27	35	0.0	0.0	48	3
4	0.0	0.0	34	0.0	0.0	53	28	50	0.0	0.0	0.0	48	4
5	0.0	0.0	34	0.0	0.0	65	56	27	44	0.0	0.0	117	5
6	0.0	0.0	0.0	0.0	35	270	0.0	51	21	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	216	0.0	60	0.0	0.0	0.0	71	7
8	0.0	0.0	0.0	0.0	0.0	130	0.0	38	0.0	0.0	0.0	91	8
9	0.0	0.0	0.0	0.0	281	91	0.0	62	0.0	0.0	0.0	108	9
10	0.0	0.0	0.0	0.0	426	69	48	57	0.0	0.0	14	123	10
11	0.0	0.0	0.0	0.0	327	72	45	60	0.0	0.0	0.0	119	11
12	0.0	0.0	38	0.0	258	80	0.0	71	0.0	0.0	0.0	130	12
13	0.0	0.0	22	0.0	388	71	0.0	87	0.0	0.0	0.0	198	13
14	0.0	0.0	33	0.0	501	73	84	102	0.0	0.0	0.0	148	14
15	0.0	0.0	30	0.0	796	77	0.0	90	0.0	0.0	18	181	15
16	0.0	0.0	0.0	0.0	601	62	27	110	0.0	0.0	30	156	16
17	0.0	0.0	0.0	0.0	438	76	0.0	98	0.0	0.0	0.0	155	17
18	0.0	0.0	28	0.0	309	29	0.0	79	55	0.0	0.0	132	18
19	0.0	0.0	0.0	0.0	230	0.0	0.0	85	0.0	0.0	0.0	132	19
20	0.0	0.0	0.0	0.0	103	39	0.0	87	0.0	0.0	0.0	100	20
21	0.0	0.0	0.0	0.0	117	91	75	70	0.0	0.0	0.0	38	21
22	0.0	0.0	0.0	0.0	171	52	0.0	66	0.0	0.0	33	34	22
23	0.0	0.0	0.0	0.0	119	0.0	33	83	0.0	0.0	38	29	23
24	0.0	0.0	0.0	0.0	120	61	27	98	0.0	0.0	29	38	24
25	0.0	0.0	0.0	0.0	50	0.0	30	87	0.0	0.0	0.0	0.0	25
26	0.0	0.0	23	25	51	0.0	0.0	74	0.0	0.0	0.0	0.0	26
27	0.0	0.0	33	0.0	81	0.0	0.0	82	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	83	30	50	74	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		43	33	71	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	35	74	0.0	0.0	22	0.0	30
31	0.0		0.0	30		59		87		0.0	27		31
MEAN	0.0	0.0	15.1	1.8	196	65.0	19.0	69.2	10.0	0.7	6.8	75.8	MEAN
MAX.	0.0	0.0	131	30	796	270	84	110	74	23	38	198	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	MIN.
AC. FT.			930	109	10880	3997	1133	4254	593	46	419	4510	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
37.1	NR					0.0		10	1	0000	26870

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 36 21	121 31 26	SW22 9N 4E				5/25-10/38 δ 1/39-DATE					

Plant located 3.0 mi. NW of Sacramento. Discharge computed from records of operation of pumps. This is drainage returned by pumping. Additional water is returned by Prichard Lake Plant and an undetermined amount by No. 3 Plant.
δ - Irrigation season only.

TABLE 98

DAILY MEAN DISCHARGE

LINDA CREEK NEAR ROSEVILLE

IN SECOND FEET

STATION NO	WATER YEAR
A00040	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	30	211 E	38	43	141	71	53	25	18	8.5	16	1
2	19	31	251 E	38	44	254	70	48	24	15	8.0	18	2
3	18	32	207 E	38	43	141	70	39	21	13	13	18	3
4	19	28	99 E	38	42	119	67	32	23	11	14	17	4
5	21	25	73 E	38	41	159	65	31	26	7.9	15	21	5
6	26	23	58 #	37	52	505	62 *	30	23	5.2 *	16	18	6
7	20	26	48	37	120	304	61	31	24 *	4.3	15	15	7
8	16	26	43	38	90	161	56	27	24	4.9	16	16	8
9	16	24	43	39	1210	136	56	31	21	4.2	20 *	17	9
10	16	22	41	39	3080 E	122	59	26	20	3.8	23	20	10
11	20	21	40	39	1110	108	58	29	20	4.2	22	19	11
12	33	21	38	39	573	101	50	36	22	4.4	24	21 *	12
13	40	20	37	45	1380	95	43	38	24	4.4	21	21	13
14	34	19	37	42	1030	91 *	36	40	26	4.6	17	23	14
15	29	20	35	39	2260 *	90	36	35	34	5.8	14	22	15
16	26 *	20	36	38	875	87	37	37	36	6.7	12	22	16
17	22	22	38	37	593	84	32	40	34	6.2	15	22	17
18	19	24	40	36	419	81	34	40	32	5.2	18	22	18
19	18	26	45	53 E	408	73	47	38	26	7.7	16	24	19
20	18	41	51	298 E	298	70	76	36	21	4.8	15	23	20
21	25	47	50	103 E	221	70	63	32	16	5.8	14	24	21
22	27	38	44	79 E	179	94	50	25	16	9.9	16	25	22
23	26	37	41	68 E	155 *	108	43	23	21	10	16	26	23
24	24	36	41	63 E	141	88	36	20	18	4.4	18	27	24
25	25	39	41	59 #	130	85	34	23	18	6.8	17	30 E	25
26	25	52	40	55	122	83	33	33	17	6.5	17	30 E	26
27	29	47	40	55	109	81	44	39	17	9.0	16	30 E	27
28	32	40	40	53	107	76	70	45	13	9.9	14	37 E	28
29	37	80 E	40	52		67	67	37	16	12	11	43	29
30	35	198 E	39	49		69	59	33	20	9.4	10	40	30
31	32		38	48		70		31		9.8	14		31
MEAN	24.7	37.2	62.1	55.8	531	123	52.8	34.1	22.6	7.6	15.7	23.6	MEAN
MAX.	40.0	198 E	251 E	298 E	3080 E	505	76.0	53.0	36.0	18.0	24.0	43.0	MAX.
MIN.	16.0	19.0	35.0	36.0	41.0	67.0	32.0	20.0	13.0	3.8	8.0	15.0	MIN.
AC. FT.	1517	2212	3818	3431	29500	7563	3144	2099	1345	466	963	1402	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
79.4	3750E	12.41	2	10	1740	0.0		7	21	0950	57460

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 44 04	121 18 05	SE10 10N 6E				JUL 49-DATE	JUL 49-DATE	1956		108.65	USCGS
								1956	1957	108.24	USCGS
								1957		108.65	USCGS
								1958		108.43	USCGS

Station located above So. Pacific Railroad bridge, 0.6 mi. below Auburn Boulevard (old U. S. Highway 99E), immediately SW of Roseville. Also known as "Dry Creek near Roseville." Tributary to Sacramento River via Back Borrow Pit of Reclamation District 1000.

TABLE 99

DAILY MEAN DISCHARGE

FOLSOM LAKE NEAR FOLSOM

IN SECOND FEET

STATION NO	WATER YEAR
A71120	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	266	467	2150	817	1050	2990	5690	6620	5690	1340	975	680	1
2	221	489	2180	872	1090	6980	6090	7580	5810	1310	802	293	2
3	186	569	1800	786	1240	5020	6270	8980	6190	900	767	331	3
4	224	519	1030	819	1090	3760	6820	9930	5390	1060	852	133	4
5	127	386	1070	915	1080	3730	7730	10890	4720	1000	817	451	5
6	161	441	967	892	1130	10950	8140	11240	4560	1340	284	463	6
7	266	397	964	815	1480	8630	9100	9890	4650	1460	727	457	7
8	191	482	912	830	3090	5800	8930	10010	4670	813	916	619	8
9	190	439	916	935	12000	4810	9490	10500	4650	1020	894	224	9
10	139	530	754	1150	33740	4070	10120	10030	4840	1280	897	246	10
11	222	520	758	996	14650	3620	9020	7290	4550	1170	631	492	11
12	196	424	830	1070	9500	3140	9450	6550	4640	881	361	473	12
13	275	392	776	974	15530	2630	10520	5560	4990	1220	294	581	13
14	287	366	877	901	19300	2500	11850	4910	4340	1360	520	560	14
15	365	469	921	752	23890	2480	13130	4370	3750	485	621	530	15
16	208	422	823	744	17030	2440	12270	4480	3400	766	554	403	16
17	222	457	829	755	11430	2410	10920	4660	3520	983	581	226	17
18	362	494	856	746	7780	2250	10620	4780	3720	687	712	591	18
19	326	408	1010	1640	6040	2290	11400	5440	4060	1050	220	607	19
20	380	590	1420	4350	5300	2610	8670	5210	4240	875	380	440	20
21	356	536	2600	2130	4260	2640	7340	4550	3990	1040	438	565	21
22	481	540	2500	1220	3900	3660	7440	4990	3700	419	630	671	22
23	590	586	1750	1230	3480	3740	9220	5380	3550	376	605	314	23
24	402	601	1330	1090	3410	2990	10290	4910	3020	890	578	248	24
25	411	769	1130	1140	3070	3270	9850	4420	2450	944	658	538	25
26	390	546	1020	1330	2760	3550	8010	3720	2700	897	231	567	26
27	392	644	1110	1070	2540	3850	8160	3590	2480	983	221	521	27
28	437	689	1050	991	2560	4390	11920	3960	2210	924	556	570	28
29	425	865	1030	1040		4540	8210	4920	1830	773	597	683	29
30	617	1670	922	1080		5560	6720	5710	1560	378	564	542	30
31	398		959	1040		5380		5780		715	625		31
MEAN	313	557	1201	1133	7622	4086	9113	6479	3996	946	597	467	MEAN
MAX.	617	1670	2600	4350	33740	10950	13130	11240	6190	1460	975	683	MAX.
MIN.	127	366	754	744	1050	2250	5690	3590	1560	376	220	133	MIN.
AC. FT.	19270	33140	73870	69660	423310	251270	541580	398380	237760	58190	36710	27810	AC. FT.

E – ESTIMATED
NR – NO RECORD
• – DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
– E AND •
A - 23 hour day

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3000	NR					NR					2170950

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 42 29	121 09 22	NE24 10N 7E				FEB 55-DATE	FEB 55-DATE	1955		0.00	USCOS

Station located 0.7 mi. below So. Fork American River, 2.3 mi. NE of Folsom. Records furn. by USBR.
Drainage area is 1,875 sq. mi.

Folsom Reaervoir has a usable capacity of 1,000,000 ac. ft. between elevations.
205.5 and 466.0 ft. above mean aea level, practically all of which is available for release.
Spillway design flood pool elevation is 475.4 ft. (capacity 1,120,000 ac. ft.)

Computed inflow takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the damsite if the dam had not been conatructed. Period of record is shown under period of record for discharge.

DAILY MEAN DISCHARGE

ARDEN AREA DRAINAGE TO AMERICAN RIVER PUMPING PLANT 2
IN SECOND FEET

STATION NO	WATER YEAR
A07930	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0*	4.4	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	20 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	5.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	61.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					319	24							AC. FT.

e — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.5	81.0	38.14	2	10	0230	0.0		10	1	0000	343

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B R. M.O.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 34 07	121 22 44	NE12 8N 5E				OCT 59-DATE	SEP 59-DATE	1959		0.00	USED

Station located 0.2 mi. above Watt Avenue, 6.3 mi. E of Sacramento. This is drainage returned by pumping and gravity.

TABLE 101

DAILY MEAN DISCHARGE

ARDEN AREA DRAINAGE TO AMERICAN RIVER PUMPING PLANT 1

IN SECOND FEET

STATION NO	WATER YEAR
A07920	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.7	4.3	56	4.3	4.8	26	5.4	9.6	6.8*	6.5	7.2E	7.9	1
2	6.0	4.2	105	4.6	4.6*	35	5.4	6.3	7.3	7.1	7.2E	7.3	2
3	5.8	4.2	17	4.5	4.2	7.3	5.3	6.5	7.1	7.3	7.2E	7.1	3
4	5.3	4.4	6.3	4.8	4.0	5.7	5.1	5.8	6.6	7.4	7.2E	7.8	4
5	5.2	4.2	4.5	4.6	4.3	19	5.6	6.3	6.8	7.5	7.2E	7.6	5
6	5.0	4.8	4.6	4.7	18	135	5.6	6.5	7.0	7.4*	7.2E	7.7	6
7	5.1	4.5	4.6	4.5	81	47	6.6	6.8	7.0	7.1	7.2E	7.7	7
8	4.4	4.2	4.2	4.9	8.7	37	6.2	6.1	7.4	6.4	7.2E	7.5	8
9	4.8	4.3	4.6	4.7	550	40	6.2	5.2	7.2	6.8	7.2E	7.3	9
10	5.0	4.4	4.2	4.7	1140	42	5.6	5.6	6.5	6.8	7.2E	7.8	10
11	4.7	4.5	4.5	4.7	90	42	6.1	5.7	6.5	7.0	7.2E	7.3	11
12	4.6	4.1	4.4	9.9	78	41	6.3	5.8	6.5	6.8	7.2E	7.2	12
13	4.4	4.3	4.6	6.9	168	40	6.6	5.2	6.7	6.9	7.2E	6.8	13
14	4.7	4.3	4.7	4.5	323	17	7.1	5.7	5.7	7.0	7.3	7.0	14
15	5.0	4.0	4.6	4.6	350	5.2	6.0	5.3	6.0	7.3	8.1	7.4	15
16	5.7	4.0	4.8	4.6	30	4.9	6.7	6.4	6.5	7.9	8.0	7.9	16
17	5.6	4.1	4.5	4.4	21	5.0	6.6	7.4E	6.4	7.9	7.8	8.6	17
18	5.2	4.1	5.8	4.5	30	4.8	6.3	7.4E	7.3	7.3	7.8	7.4	18
19	4.8	3.9	6.5	15	34	5.3*	6.0	8.7	8.3	7.2	7.5	6.8	19
20	4.1*	31	5.0	106	23	5.0	5.9	7.2	8.2	7.2E	8.1	6.6	20
21	4.4	10	4.6	7.1	7.1	5.0	5.1	7.5E	8.3	7.2E	8.2	7.0	21
22	4.0	4.1	4.9	5.3	32	11	5.6	6.6E	8.3	7.2E	8.0	7.2	22
23	4.1	3.9	4.8	5.3	25	6.5	6.1	6.3E	7.3	7.2E	7.9	7.4	23
24	4.0	3.9	4.6	5.4	0.0	5.2	6.1	5.6E	6.6	7.2E	8.1	7.6	24
25	4.3	12	4.3	5.0	0.0	4.7	5.2	5.6	7.2	7.2E	8.0	8.1	25
26	4.6	17	4.6	4.8	28	5.3	5.7	5.7	7.4	7.2E	7.6	11	26
27	4.5	4.6	4.7*	5.0	4.9	5.0	7.1	7.8	7.8	7.2E	8.3	11	27
28	4.5	4.0	4.7	4.7	5.0	4.9	14	6.5	7.5	7.2E	8.8	11	28
29	3.8	93	4.4	5.0		5.0	4.9	6.2	7.1	7.2E	8.2	9.0	29
30	4.1	109	4.6	4.6		4.6	5.6	6.0	6.4	7.2E	7.8	6.6	30
31	4.2		4.3	5.1		5.2		6.5		7.2E	8.1		31
MEAN	4.8	12.4	10.0	6.7	110	20.2	6.2	6.3	7.1	7.2	7.7	7.8	MEAN
MAX.	6.0	109	105	106	1140	135	14.0	8.7	8.3	7.9	8.8	11.0	MAX.
MIN.	3.8	3.9	4.2	4.3	0.0	4.6	4.9	5.2	5.7	6.4	7.2E	6.6	MIN.
AC. FT.	293	740	617	533	6086	1243	369	388	420	440	470	465	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
16.7	1197	35.45	2	10	0430	0.0	23.00	2	23	1500	12070

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 00	121 25 07	NW 3 8N 5E				OCT 59-DATE	SEP 59-DATE	1959 1960	1960	-4.57 0.00	USED USED

Station located 0.2 mi. W of Howe Avenue, 4.1 mi. E of Sacramento. This is drainage returned by pumping and gravity.

TABLE 102

DAILY MEAN DISCHARGE

SACRAMENTO RIVER AT SACRAMENTO

IN SECOND FEET

STATION NO	WATER YEAR
402100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7930	7360	13500	10200	9250	35100	27700	22000	17400	9840	10500	11700	1
2	7540	7400	19000	9910	9380	35100	28100	20600	16700	10400	10600	11700	2
3	7180	7400	28500	8940	9360	40100	28600	19800	16600	10300	10700	12000	3
4	6960	7450	32300	9030	9470	41000	29200	20300	16200	10100	10700	12300	4
5	6740	7580	30900	8810	9250	39800	29900	21300	15400	10300	11100	12600	5
6	7010	7360	27200	9080	8940	40000	30700	22300	13800	10200	11300	13100	6
7	7100	7100	23900	9160	9870	47700	31600	23100	12600	10000	11000	13600	7
8	6700	7100	18300	9210	10400	54400	32200	23300	12400	9810	11200	13500	8
9	6660	7010	15900	9300	16700	57900	32800	23400	12500	9890	11300	13900	9
10	7050	7230	14400	9470	38200	59700	33500	23900	12400	9980	11700	13600	10
11	6790	7230	13200	9160	60400	58900	33300	24300	12800	10200	12100	13000	11
12	6660	7010	12000	9160	63300	56100	32600	23200	13100	10300	12400	12800	12
13	6790	7050	11500	9250	62200	51700	30900	22000	13000	10200	12200	12600	13
14	7010	7270	10700	8810	64000	46400	30400	21500	12900	10300	12100	13000	14
15	7050	7400	10500	8420	68200	41400	30800	20600	12700	10400	12000	13000	15
16	6960	7450	10300	8420	70100	38000	32000	19700	13800	10300	11700	12600	16
17	6880	7540	10300	8200	70000	35200	31800	19700	14000	10300	11700	12300	17
18	6920	7450	10100	8110	68700	33000	30000	19900	14000	10600	11300	12100	18
19	7360	7540	9980	7930	66500	31300	27800	19100	13800	10400	11500	11800	19
20	7100	7450	10000	9790	64700	29700	26300	18600	13200	10100	11700	12000	20
21	7050	7930	11200	18000	63200	28500	25000	17800	12800	10100	11800	11600	21
22	7010	7930	19300	21500	61400	27700	23100	16800	12700	10300	11800	11300	22
23	7180	8060	21700	18600	58900	29300	22300	16300	12500	10500	11600	11300	23
24	6960	8460	18500	15100	55600	28900	22500	16900	11300	10300	11200	11300	24
25	6960	8420	15600	12400	51100	28000	23200	17000	10300	10400	11300	11300	25
26	7100	9270	13300	11600	46700	26400	23400	16400	9860	10500	11700	11200	26
27	7320	11600	11900	10900	41200	25500	23100	16100	10300	10200	11800	10700	27
28	7540	13700	11300	10200	37000	25600	22700	15800	10900	10200	11800	10400	28
29	7360	13100	10500	9210		26000	25600	15900	10500	10300	12000	10400	29
30	7270	12600	10500	9080		26400	25900	17200	9870	10500	12000	10500	30
31	7490		10200	9600		26700		17400		10400	12000		31
MEAN	7085	8248	15690	10530	43000	37790	28240	19750	13010	10250	11540	12110	MEAN
MAX.	7930	13700	32300	21500	70100	59700	33500	24300	17400	10600	12400	13900	MAX.
MIN.	6660	7010	9980	7930	8940	25500	22300	15800	9860	9810	10500	10400	MIN.
AC. FT.	435600	490800	964900	647700	2388000	2324000	1680000	1214000	774200	630000	709700	720800	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
17930	70500	22.85	2	16	0800	NR					12980000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104000	30.14	11/21/50	04- 05 6/21-11/21 5/24-12/42 8 5/43-DATE	1/04-7/05 20-DATE	 1956 1956	1956	0.12 0.00 2.98	USCOS USCOS USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence. Maximum discharge of record listed is for period 1921, 1948 to date. Records furn. by USGS.

8 - Irrigation season only

TABLE 103

DAILY MEAN DISCHARGE

MIDDLE CREEK NEAR UPPER LAKE
IN SECOND FEET

STATION NO	WATER YEAR
481810	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	6
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	7
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.5	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	12
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.5	13
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.6	14
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.7	15
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	16
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9*	18
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	30
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	33
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.8	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.0	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	1.1	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	1.2	30
31	NR		NR	NR		NR		NR		NR	0.4		31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.7	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.2	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.4	MIN.
AC. FT.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	40	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 59	122 54 39	NE1 15N 10W				OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE	1959 1962	1962	1353.6 0.00	USCGS LOCAL

Station located at Ranchera Road bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake.
Prior to Aug. 30, 1962, recorder located 75 ft. upstream.

TABLE 104

DAILY MEAN DISCHARGE

CLOVER CREEK AT UPPER LAKE

IN SECOND FEET

STATION NO	WATER YEAR
A81190	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	249 E	7.2	9.6	58	39	8.3	3.8	0.3	0.0	0.0	1
2	0.0	0.0	70 *	6.7	9.3	65	34	8.1	3.2	0.4	0.0*	0.0	2
3	0.0	0.0	12	6.3	9.3	62	30	8.5	3.6	0.5	0.0	0.0	3
4	0.0	0.0	4.2	6.8	9.3	59	27	7.9	3.6	0.6	0.0	0.0*	4
5	0.0*	0.0	3.0	7.2	8.8	76	24	8.0	2.7	0.5	0.0	0.0	5
6	0.0	0.0	3.2	6.7	9.5	70	22	7.7	2.4	0.0	0.0	0.0	6
7	0.0	0.0	3.6	7.0	25	61	20	7.3	2.9	0.0	0.0	0.0	7
8	0.0	0.1	4.0	7.4	82	92	20	7.8	2.4	0.0	0.0	0.0	8
9	0.0	0.2	4.0	7.4	164 E	108	18	7.1	2.2	0.0	0.0	0.0	9
10	0.0	0.1	4.0	7.4	142	97	16	6.8	2.6	0.0	0.0	0.0	10
11	0.0	0.2	4.0	7.4	100	90	15	7.1	2.8	0.0	0.0	0.0	11
12	0.0	0.2	3.3	8.8	109	80	14	7.4	2.4	0.0	0.0	0.0	12
13	0.0	0.1	3.2	7.4	142 E	72	13	6.7	2.0	0.0	0.0	0.0	13
14	0.0	0.0	4.0	6.9	80	65	13	5.8	2.0	0.0	0.0	0.0	14
15	0.0	0.1	4.1	6.9	83	59	12	5.7	2.0	0.0	0.0	0.0	15
16	0.0	0.0	3.8	6.7	72	56	12	5.6	1.7	0.0	0.0	0.0	16
17	0.0	0.1	3.6	6.5	66	53	11	5.6	1.8	0.0	0.0	0.0	17
18	0.0	0.0	3.9	8.6	68	52	10	5.9	2.0	0.0	0.0	0.0	18
19	0.0	0.3	7.3	62 E	59	53	10 *	5.9	1.6*	0.0	0.0	0.0	19
20	0.0	0.6	27	77 E	57	50 *	10	5.7	1.3	0.0	0.0	0.0	20
21	0.0	0.1	32	25	55	48	10	5.4	1.2	0.0	0.0*	0.0	21
22	0.0	0.2*	17	15 *	53	88	10	5.5*	1.3	0.0	0.0	0.0	22
23	0.0	0.3	11	11	51	87	9.9	5.4	1.3	0.0*	0.0	0.0	23
24	0.0	1.3	8.1	11	48	77	9.3	5.5	1.2	0.0	0.0	0.0	24
25	0.0	21	6.7	9.9	45	69	9.1	5.7	0.5	0.0	0.0	0.0	25
26	0.0	0.5	5.9	9.3	40	65	9.6	5.7	0.3	0.0	0.0	0.0	26
27	0.0	0.0	6.0*	9.3	36	60	11	5.5	0.7	0.0	0.0	0.0	27
28	0.0	0.0	6.1	9.9	38	57	9.7	4.3	0.9	0.0	0.0	0.0	28
29	0.0	0.9	5.9	10		52	8.8	5.0	1.0	0.0	0.0	0.0	29
30	0.0	85 E	5.9	10		47	8.6	4.6	0.2	0.0	0.0	0.0	30
31	0.0		6.1	9.9		41		3.8		0.0	0.0		31
MEAN	0.0	3.7	17.2	12.9	59.7	66.7	15.5	6.3	1.9	0.1	0.0	0.0	MEAN
MAX.	0.0	85.0E	249 E	77.0E	164 E	108	39.0	8.5	3.8	0.6	0.0	0.0	MAX.
MIN.	0.0	0.0	3.0	6.3	8.8	41.0	8.6	3.8	0.2	0.0	0.0	0.0	MIN.
AC. FT.		221	1055	791	3314	4104	924	387	114	5			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.1	397 E	5.83	12	1	0820	0.0		10	1	0000	10910

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 09 56	122 54 28	NW 7 15N 9W	397E	5.83	12/1/61	JAN 60-DATE	JAN 60-DATE	1960		1354.0	USCOS

Station located at wooden bridge, 0.5 mi. above confluence with Middle Creek, 1.0 mi. below bypass channel. Tributary to Clear Lake via Middle Creek. For total contribution of Clover Creek to Clear Lake add to Clover Creek Bypass near Upper Lake. Flow partially controlled by head gates.

TABLE 105

DAILY MEAN DISCHARGE

CLOVER CREEK BYPASS NEAR UPPER LAKE
IN SECOND FEET

STATION NO	WATER YEAR
A81940	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													
2	0.0	0.0	321	0.0	0.0*	39	0.0	0.0	0.0	0.0	0.0	0.0	1
3	0.0	0.0	2.1*	0.0	0.0	61	0.0	0.0*	0.0	0.0*	0.0*	0.0	2
4	0.0	0.0	0.0	0.0	0.0	49	0.0*	0.0	0.0	0.0	0.0	0.0	3
5	0.0	0.0	0.0	0.0*	0.0	43	0.0	0.0	0.0	0.0	0.0	0.0*	4
	0.0*	0.0	0.0	0.0	0.0	304	0.0	0.0	0.0*	0.0	0.0	0.0	5
6													
7	0.0	0.0	0.0*	0.0	0.0	464	0.0	0.0	0.0	0.0	0.0	0.0	6
8	0.0	0.0	0.0	0.0	0.0	228	0.0	0.0	0.0	0.0	0.0	0.0	7
9	0.0	0.0*	0.0	0.0	5.1	115	0.0	0.0	0.0	0.0	0.0	0.0	8
10	0.0	0.0	0.0	0.0	186	71	0.0	0.0	0.0	0.0	0.0	0.0	9
	0.0	0.0	0.0	0.0	87	44	0.0	0.0	0.0	0.0	0.0	0.0	10
11													
12	0.0	0.0	0.0	0.0	4.5	25	0.0	0.0	0.0	0.0	0.0	0.0	11
13	0.0	0.0	0.0	0.0	95	8.4	0.0	0.0	0.0	0.0	0.0	0.0	12
14	0.0	0.0	0.0	0.0	752 #	0.6	0.0	0.0	0.0	0.0	0.0	0.0	13
15	0.0	0.0	0.0	0.0	458 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
	0.0	0.0	0.0	0.0	596	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16													
17	0.0	0.0	0.0	0.0	343	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
18	0.0	0.0	0.0	0.0	192	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
19	0.0	0.0	0.0	0.0	205	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
20	0.0	0.0	0.0	20	130	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	19
	0.0	0.0	0.0	3.4	87	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	20
21													
22	0.0	0.0	0.0	0.0	54	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	21
23	0.0	0.0*	0.0	0.0*	37	39	0.0	0.0*	0.0	0.0	0.0	0.0	22
24	0.0	0.0	0.0	0.0	25	18	0.0	0.0	0.0	0.0*	0.0	0.0	23
25	0.0	0.0	0.0	0.0	13	2.6	0.0	0.0	0.0	0.0	0.0	0.0	24
	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26													
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
28	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
31	0.0	6.2	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN													
MAX.	0.0	0.2	10.4	0.8	117	48.8	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MIN.	0.0	6.2	321	20.0	752 E	464	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
AC. FT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
		12	641	46	6492	2998							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
14.1	1590 E	5.96	2	13	1050	0.0		10	1	0000	10190

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 33	122 54 00	SE 6 15N 9W	1590E	5.96	2/13/62	NOV 59-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek.

TABLE 106

DAILY MEAN DISCHARGE

SCOTT CREEK NEAR LAKEPORT
IN SECOND FEET

STATION NO	WATER YEAR
481850	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1030	7.3	9.4	208	39	8.0	1.0	0.0	0.0	0.0	1
2	0.0	0.0	198 *	6.9	9.1	370	37	7.6	0.8	0.0*	0.0*	0.0	2
3	0.0	0.0	78	6.3	8.9	228	35	6.9	0.6	0.0	0.0	0.0	3
4	0.0	0.0	41	6.0	8.7	185	33	6.5	0.5	0.0	0.0	0.0*	4
5	0.0*	0.0	23	5.0	8.2	898	31	5.7	0.3	0.0	0.0	0.0	5
6	0.0	0.0	13	4.8	11	1310	28	5.4	0.1	0.0	0.0	0.0	6
7	0.0	0.0	9.0	4.9	41	678	27	4.9	0.0	0.0	0.0	0.0	7
8	0.0	0.0*	7.0	4.6	142	332	25	4.7	0.0	0.0	0.0	0.0	8
9	0.0	0.0	5.1	4.4	890	213	25	4.7	0.0	0.0	0.0	0.0	9
10	0.0	0.0	4.3	4.0	394	155	23	4.7	0.0	0.0	0.0	0.0	10
11	0.0	0.0	3.6	3.7	158	130	22	4.5	0.0	0.0	0.0	0.0	11
12	0.0	0.0	3.2	4.7	287	104	19	4.4	0.0	0.0	0.0	0.0	12
13	0.0	0.0	3.6	4.7	1710 #	90	19	4.2	0.0	0.0	0.0	0.0	13
14	0.0	0.0	3.4	3.5	1170 E	80	17	4.2	0.0	0.0	0.0	0.0	14
15	0.0	0.0	3.0	3.4	1610	74	17	3.8	0.0	0.0	0.0	0.0	15
16	0.0	0.0	2.7	3.6	893	72	16	4.2	0.0	0.0	0.0	0.0	16
17	0.0	0.0	4.6	3.8	411	68	15	4.2	0.0	0.0	0.0	0.0	17
18	0.0	0.0	7.2	3.7	431	60	14 *	4.2	0.0*	0.0	0.0	0.0	18
19	0.0	0.0	53	83	316	58	14	3.8	0.0	0.0	0.0	0.0	19
20	0.0	0.0	94	110 E	188	55 *	14	3.5	0.0	0.0	0.0	0.0	20
21	0.0	0.0	108	50 E	129	52	12	3.1	0.0	0.0	0.0*	0.0	21
22	0.0	0.0*	70	30 #	98	121	12	2.9	0.0	0.0	0.0	0.0	22
23	0.0	0.0	50	23	81	93	11	2.6*	0.0	0.0*	0.0	0.0	23
24	0.0	0.0	37	21	69	79	10	2.4	0.0	0.0	0.0	0.0	24
25	0.0	37	28	18	60	70	9.1	2.3	0.0	0.0	0.0	0.0	25
26	0.0	2.7	21	14	54	65	8.7	2.3	0.0	0.0	0.0	0.0	26
27	0.0*	0.0	17 *	13	48	58	8.4	2.5	0.0	0.0	0.0	0.0	27
28	0.0	0.0	13	11	50	51	10	2.5	0.0	0.0	0.0	0.0	28
29	0.0	35	11	10		47	9.5	2.1	0.0	0.0	0.0	0.0	29
30	0.0	209	9.3	10		44	9.0	1.6	0.0	0.0	0.0	0.0	30
31	0.0		8.1	9.8		42		1.3		0.0	0.0		31
MEAN	0.0	9.5	63.2	15.7	332	197	19.0	4.1	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	209	1030	110 E	1710 E	1310	39.0	8.0	1.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	2.7	3.4	8.2	42.0	8.4	1.3	0.0	0.0	0.0	0.0	MIN.
AC. FT.		563	3886	968	18420	12080	1130	249	7				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
51.5	3910E	10.98	2	14	2000	0.0		10	1	0000	37300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 03 43	122 56 49	SW14 14N 10W				OCT 48-SEP 53 MAR 59-DATE	OCT 48-DATE			0.00	LOCAL

Station located 100 ft. above Hartley Cemetery Road bridge, 0.8 mi. NW of Lakeport. Tributary to Clear Lake. Drainage area is 52.3 sq. mi.

TABLE 107

DAILY MEAN DISCHARGE

COPSEY CREEK NEAR LOWER LAKE
IN SECOND FEET

STATION NO	WATER YEAR
A81360	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.2	260	0.7	0.8	35	4.9	1.8	1.1	0.2	0.1	0.0	1
2	0.0	0.4	55 *	0.7	0.8	40	4.8	1.8	1.2	0.3	0.1	0.0	2
3	0.0	0.3	21	0.7	0.7	19	4.4	1.9	1.2	0.4	0.1	0.0	3
4	0.0	0.4	7.8	0.7	0.8	15	4.4	1.9	1.1	0.4	0.1	0.0*	4
5	0.0*	0.4	4.4	0.7	0.7	310 E	4.0	1.8	1.1	0.2	0.1	0.0	5
6	0.0	0.3	2.9	0.7	0.9	256	4.0	1.7	1.1	0.4	0.1	0.0	6
7	0.0	0.3	2.0	0.7	35	68	3.9	1.6	1.1	0.4	0.2	0.0	7
8	0.0	0.3	2.0	0.6	66	41	3.9	1.8	1.1	0.4	0.2	0.0	8
9	0.0	0.3	1.6	0.6	358	30	3.2	1.8	1.1	0.2	0.2	0.0	9
10	0.0	0.3	1.4	0.6	54	24	2.9	1.5	1.1	0.3	0.2	0.0	10
11	0.0	0.5	1.3	0.6	28	20	2.8	1.5	1.1	0.3	0.1	0.0	11
12	0.0	0.6	1.2	0.8	133	16	2.9	1.3	1.0	0.4	0.1	0.0	12
13	0.0	0.4	1.2	0.8	554 #	14	2.9	1.3	0.6	0.2	0.1	0.0	13
14	0.0	0.3	1.1	0.8	534 E	13	3.1	1.4	0.6	0.4	0.1	0.0	14
15	0.0	0.4	1.0	0.7	357	11	2.9	1.3	0.6	0.3	0.1	0.0	15
16	0.0	0.3	1.2	0.8	94	11	2.8	1.3	0.5	0.3	0.0	0.0	16
17	0.0	0.3	1.2	0.8	41	10	2.8	1.0	0.4	0.3	0.0	0.0*	17
18	0.0	0.4	1.1	0.7	154	9.3	2.5*	1.0	0.3*	0.3	0.0	0.0	18
19	0.0	0.4	1.2	4.7	50	8.5	2.4	1.0	0.3	0.3	0.0	0.0	19
20	0.0	0.6	1.2	8.2	32	7.9*	2.1	1.2	0.2	0.4	0.0	0.0	20
21	0.0	0.3*	1.1	2.1	24	7.2	2.2	1.1	0.3	0.3	0.0*	0.0	21
22	0.0	0.3	1.0	1.2*	19	13	2.1	0.9*	0.3	0.1	0.0	0.0	22
23	0.0	0.5	0.9	1.0	15	8.2	2.0	1.0	0.4	0.1	0.0	0.0	23
24	0.0	1.7	0.9	1.1	13	7.2	1.9	1.1	0.5	0.1	0.0	0.0	24
25	0.0	1.9	0.8	1.0	11	6.9	1.9	1.5	0.4	0.2	0.0	0.0	25
26	0.0	0.8	0.8	1.0	9.1	6.4	1.9	1.4	0.3	0.1	0.0	0.0	26
27	0.0*	0.5	0.8*	1.0	8.5	5.7	2.1	1.3	0.3	0.1	0.0	0.0	27
28	0.0	0.5	0.8	0.9	16	5.5	2.0	1.4	0.3	0.1	0.0	0.0	28
29	0.0	18	0.8	0.9		5.5	2.0	1.2	0.2	0.1	0.0	0.0	29
30	0.1	51	0.8	0.9		5.3	1.9	1.3	0.4	0.0	0.0	0.0	30
31	0.2		0.7	0.8		4.9		1.3		0.1	0.0		31
MEAN	0.0	2.8	12.2	1.2	93.2	33.4	2.9	1.4	0.7	0.2	0.1	0.0	MEAN
MAX.	0.2	51.0	260	8.2	554 E	310 E	4.9	1.9	1.2	0.4	0.2	0.0	MAX.
MIN.	0.0	0.2	0.7	0.6	0.7	4.9	1.9	0.9	0.2	0.0	0.0	0.0	MIN.
AC. FT.	1	164	752	74	5177	2052	174	86	40	15	4		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
11.8	1530 E	11.13	2	14	1920	0.0		10	1	0000	8540

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 53 21	122 35 47	NE14 12N 7W	1740E	9.29	2/1/60	JAN 60-DATE	JAN 60-DATE	1960		0.00	LOCAL

Station located 75 ft. below Spruce Grove Road bridge, 1.7 mi. SE of Lower Lake. Tributary to Cache Creek.
Drainage area is 13.2 sq. mi.

TABLE 108

DAILY MEAN DISCHARGE

BEAR CREEK NEAR RUMSEY

IN SECOND FEET

STATION NO	WATER YEAR
A81250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.2	1.6	188	3.5	5.4	50 E	23	10	3.3	1.7	1.0	0.8	1
2	1.3	1.8	175	3.6	5.4	140 E	24	9.4	2.9	1.8	1.0	0.8	2
3	1.3	1.7	86	3.3	5.5	90	22	9.1	2.8	1.9	0.9	0.9	3
4	1.3	1.7	21	3.1	5.1	71	21	9.0	2.8	1.9	1.0	1.0	4
5	1.3	1.7	11	2.8	5.7	453	19	8.4	2.8	1.8	1.1	1.1	5
6	1.3	1.6	7.5	2.8	6.7	839	19	7.9	2.6	1.9	1.1	1.0	6
7	1.2	1.5	5.6	2.8	9.5	321	18	7.9	2.4	1.8	1.1	1.1	7
8	1.1	1.5	4.9	2.7	19	157	17	8.1	2.6	1.7	1.2	1.5	8
9	1.0	1.6	4.4	2.7	338	122	18	8.1	2.6	1.6*	1.2	1.2	9
10	1.1	1.6	4.1	2.5	123	97	17	7.8	2.5	1.5	1.3	1.0	10
11	1.3	1.7	3.9	2.5	60	82	15	7.4	2.4	1.5	1.2	1.1	11
12	1.3	1.7	3.9	2.7	45	72	15	7.6	2.5	1.5	1.2	1.2	12
13	1.4	1.6	3.7	3.3	997	63	15	7.8	2.5	1.5	1.3	1.2	13
14	1.3	1.5	3.6	3.2	2250 #	59 *	14	8.2	2.3	1.5	1.1	1.2	14
15	1.2	1.4	3.4	3.0	1450 E	57	14	8.5	2.7	1.4	1.0	1.3	15
16	1.3	1.4	3.2	2.8	304	53	14	8.1	2.7	1.5	0.8	1.2	16
17	1.3	1.5	3.2	2.8	154 E	50	13	7.5	2.6	1.7	0.8	1.2*	17
18	1.3	1.5	3.7	2.9	268 E	47	12 *	6.8	2.5*	1.6	0.7	1.3	18
19	1.5	1.6	4.0	4.0	189 E	42	11	6.6	2.2	1.6	0.9	1.3	19
20	1.5	2.3	4.5	14	115 E	40	11	6.6	2.1	1.6	1.0	1.3	20
21	1.5	2.9*	4.9	16	80 E	38	11	6.5	1.9	1.5	0.9*	1.4	21
22	1.5	2.3	5.2	8.2*	60 E	56	11	6.2*	2.0	1.5	0.9	1.3	22
23	1.5	2.0	4.7	6.7	50 E	48	11	5.9	2.0	1.4*	1.0	1.1	23
24	1.5	2.0	4.6	7.4	45 E	35	10	5.5	2.0	1.3	1.0	1.2	24
25	1.5	3.0	4.6	6.7	42 E	34	9.4	5.1	1.9	1.2	0.9	1.1	25
26	1.6	4.0	4.4	6.0	40 E	32	9.8	6.6	1.6	1.1	0.9	1.1	26
27	1.9*	3.2	4.1*	5.4	38 E	30	9.4	5.1	1.7	1.3	0.8	1.2	27
28	1.9	2.1	4.1	5.4	38 E	29	11	4.9	1.7	1.2	0.7	1.4	28
29	1.7	2.8	4.2	5.4		28	11	4.6	1.9	1.1	0.7	1.9	29
30	1.4	8.3	4.1	5.1		25 *	10	3.8	1.6	1.0	0.8	1.6	30
31	1.4		3.9	5.3		24		3.2		1.0	0.8		31
MEAN	1.4	2.2	19.1	4.8	241	106	14.5	7.0	2.3	1.5	1.0	1.2	MEAN
MAX.	1.9	8.3	188	16.0	2250 E	839	24.0	10.0	3.3	1.9	1.3	1.9	MAX.
MIN.	1.0	1.4	3.2	2.5	5.1	24.0	9.4	3.2	1.6	1.0	0.7	0.8	MIN.
AC. FT.	85	129	1177	295	13390	6514	864	433	139	92	60	71	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
32.1	7910E	9.59	2	14	1930	0.6	1.06	8	18	1730	23240

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 56 41	122 20 44	SW30 13N 4W	8100E	12.33	2/24/58	Sep 55-DATE	Sep 55-DATE	1955		0.00	LOCAL

Station located 7.3 NW of Rumsey, 1.4 mi above mouth. Tributary to Cache Creek. Drainage area is 96.8 sq. mi.

TABLE 109

DAILY MEAN DISCHARGE

CACHE CREEK ABOVE RUMSEY
IN SECOND FEET

STATION NO	WATER YEAR
A81200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	74 E	6.0E	2540	41	54 E	700 E	289	442	404	451	367	280	1
2	66 E	6.0E	2340 E	41	50 E	1350 E	279	450	418	445	367	252	2
3	62 E	6.0E	700 E	39	48 E	669	265	490	438	445	373	251	3
4	62 E	6.0E	280 E	38	45 E	590	352	502	483	445	371	252	4
5	61 E	6.0E	150 E	38	43 E	1590	354	530	476	449	348	269	5
6	60 E	6.0E	100 E	35	41	9590 E	388	529	458	476	342	272	6
7	58 E	6.0E	80 E	33	71	5940	533	498	425	453	344	270	7
8	58 E	4.6E	70 E	32	303	5090	533	480	410 •	447	346	232	8
9	58 E	4.2E	60 E	30	2460	4680 #	528	455	463	465	353	215	9
10	60 E	4.2E	56 E	30	1530	4230	222	453	475	455	367	214	10
11	65 E	4.2E	52 E	30 •	770	3800 E	176	445	475	455	370	210	11
12	70 E	4.2E	48 E	30	585	3600 E	172	439	485	467	361	202	12
13	80 E	4.2E	46 E	31	5710 E	3300 E	161	424	502	468	346	199	13
14	80 E	4.2E	44 E	30	7000 #	800 #	152	399	541	444	325	196	14
15	80 E	4.2E	42 E	31	13000 E	573	156	398	546	414	342	174	15
16	78 E	4.2E	41	32	5600 E	484	255	416	537	415	367	174	16
17	70 E	4.2E	41	32	3500 E	451	258	439	531	436	370	170 •	17
18	56 E	4.2E	41	33	2500 E	416	270 •	426	460 •	481	354	159	18
19	45 E	5.5E	43	34	2000 E	389	451	400	460	488	348	159	19
20	45 E	7.6E	55	593	1300 E	381	464	375	482	489	358	159	20
21	35 E	8.0#	104	349	900 E	1030	504	347	535	499	360 •	161	21
22	30 E	5.6E	130	196	700 E	1720	509	354 •	606	470	339	161	22
23	25 E	10 E	110	150	550 E	1800	505	378	592	471 •	331	161	23
24	25 E	12 E	91	120	500 E	1680	505	378	534	488	331	161	24
25	25 E	20 E	79	104	450 E	1620	505	372	502	508	333	159	25
26	20 E	250 E	67	90	420 E	1450	505	339	490	506	321	141	26
27	15 #	150 E	56 •	81	400 E	405	502	332	448	484	304	121	27
28	13 E	100 E	54	72	400 E	361	502	318	448	461	303	113	28
29	10 E	70 E	49	63		346	502	329	448	458	304	92	29
30	7.7E	350 E	48	60		333	482	355	447	436	302	87	30
31	7.4E		45	58		308		387		385	302		31
MEAN	48.4	35.9	247	83.1	1819	1925	376	416	484	460	344	189	MEAN
MAX.	80.0E	350 E	2540	593	13000 E	9590 E	533	530	606	508	373	280	MAX.
MIN.	7.4E	4.2E	41.0	30.0	41.0	308	152	318	404	385	302	87.0	MIN.
AC. FT.	2977	2137	15200	5109	101000	118400	22370	25550	28800	28270	21120	11240	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
527	NR					NR					382200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 54 47	122 16 14	SE 2 12N 4W				OCT 59-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mi. below State Highway 16 bridge, 2.5 mi. NW of Rumsey. Flow regulated by Clear Lake.
Record listed is not considered to have the same degree of accuracy as other records published in this report.
Drainage area is 729 sq. mi.

TABLE 110

DAILY MEAN DISCHARGE

POPE CREEK NEAR POPE VALLEY

IN SECOND FEET

STATION NO	WATER YEAR
A95010	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	571 *	5.8	9.6	890	41	12	2.7	0.2	0.1	0.0	1
2	0.0	0.0	334	5.7	8.7	928	38	12	2.1	0.2	0.1	0.0	2
3	0.0	0.0	121	5.8	8.3	345	36	11	1.8	0.2	0.1	0.0	3
4	0.0	0.0	42	5.6	7.7	253	34	10	2.0	0.2	0.1	0.0	4
5	0.0	0.0	23	4.9	7.3	691	33	9.1	2.8	0.2	0.1	0.0	5
6	0.0	0.0	16	4.7	8.1	1140	31	8.8	2.1	0.2	0.1	0.0	6
7	0.0	0.0	11	4.7	128	466	29	8.4	1.7	0.2	0.1	0.0	7
8	0.0	0.0	9.6	4.4	311	310	28	8.5	1.5	0.2	0.1	0.0	8
9	0.0*	0.0*	7.8	4.1*	430 *	251	27	9.6	1.4	0.2	0.1	0.0	9
10	0.0	0.0	6.7	3.9	398 *	200	26	8.7	1.3	0.2	0.1	0.0	10
11	0.0	0.0	5.7	3.7	209	165	24	8.7	1.3	0.2	0.0	0.0	11
12	0.0	0.0	5.2	4.0	480	141	23	8.4	1.4	0.2	0.0	0.0	12
13	0.0	0.0	4.8	4.3	2880	120	22	7.7	1.3	0.2	0.0	0.0	13
14	0.0	0.0	4.6	3.8	2480	105	22	7.4	1.3	0.2	0.0	0.0	14
15	0.0	0.0	4.3	3.6	2620	95	21	7.6	1.4	0.3	0.0	0.0	15
16	0.0	0.0	4.3	3.6	867	88	20	6.8	1.3	0.3	0.0	0.0	16
17	0.0	0.2	6.2	3.6	426	85	19 *	5.9	1.2	0.3	0.1	0.0	17
18	0.0	0.2	14	3.6	657	75	20	5.6*	1.0	0.4	0.1	0.0	18
19	0.0	0.2	20	192	417	67	19	5.5	0.7	0.4	0.1	0.0	19
20	0.0	0.3	33	374	303	65 *	18	4.9	0.6	0.3	0.1	0.0	20
21	0.0	0.3	96	79	234	59	17	4.5	0.5	0.3	0.1	0.0	21
22	0.0	0.4	35	40	188	191	16	4.3	0.5	0.3	0.1	0.0	22
23	0.0	0.4	21	28	153	106	14	4.1	0.4	0.3	0.0	0.0	23
24	0.0	0.4	16	23	128	76	13	4.0	0.4	0.3	0.0	0.0	24
25	0.0	0.8	13	19	110	68	13	4.1	0.3	0.2	0.1	0.0	25
26	0.0	1.3	11	17	94	61	13	4.8	0.3	0.2	0.0	0.0	26
27	0.0	3.0	8.9*	15	81	57	15	5.5	0.2	0.2	0.0	0.0	27
28	0.0	2.1	8.2	13	104	53	17	4.6	0.2	0.1	0.0	0.0	28
29	0.0	7.7	7.3	12		48	14	4.1	0.2	0.1	0.0	0.0	29
30	0.0	87	6.9	11 *		46	13	3.5	0.3	0.1	0.0	0.0	30
31	0.0		6.4	10		43		3.1		0.1	0.0		31
MEAN	0.0	3.5	47.5	29.4	527	235	22.5	6.9	1.1	0.2	0.1	0.0	MEAN
MAX.	0.0	87.0	571	374	2880	1140	41.0	12.0	2.8	0.4	0.1	0.0	MAX.
MIN.	0.0	0.0	4.3	3.6	7.3	43.0	13.0	3.1	0.2	0.1	0.0	0.0	MIN.
AC. FT.		207	2923	1811	29250	14460	1341	423	68	14	3		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
69.8	7540	13.58	2	14	2010	0.0		10	1	0000	50500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 37 54	122 19 58	SW17 9N 4W	7540	13.58	2/14/62	DEC 60-DATE	DEC 60-DATE	1960		0.00	LOCAL

Station located 0.2 mi. above spillway elevation of Lake Berryessa, 5.2 mi. E of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 sq. mi.

TABLE 111

DAILY MEAN DISCHARGE

PLEASANTS CREEK NEAR WINTERS

IN SECOND FEET

STATION NO	WATER YEAR
A91160	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0◂	9.6◂	0.0	0.0◂	53	3.7	0.8	0.0	0.0	0.0	0.0◂	1
2	0.0•	0.0	42	0.0◂	0.0	92	3.4	0.7	0.0	0.0◂	0.0◂	0.0	2
3	0.0	0.0	1.1	0.0	0.0	30	3.4◂	0.6	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	22	3.2	0.6	0.0	0.0	0.0	0.0◂	4
5	0.0	0.0	0.0	0.0	0.0	131	2.8	0.5	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	224 ◂	2.8	0.6	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	5.9	74	2.6	0.5	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.2	45	2.2	0.5	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	281 E	33	2.1◂	0.5	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	24 ◂	25	2.0	0.5	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	4.8	20	1.8	0.5	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0•	0.0	24	17	2.0	0.5	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	306 ◂	15	2.0	0.5	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	320	13	1.9	0.5	0.0	0.0	0.0◂	0.0◂	14
15	0.0	0.0•	0.0	0.0	166	11	1.8	0.5	0.0	0.0	0.0	0.0	15
16	0.0•	0.0	0.0	0.0•	42	9.8	1.6	0.4	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	21	8.8	1.6◂	0.4	0.0	0.0◂	0.0◂	0.0	17
18	0.0	0.0	0.0	0.0	52	8.0	1.5	0.4◂	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.3	50	7.2	1.6	0.3	0.0◂	0.0	0.0	0.0◂	19
20	0.0	0.0	0.0	22	22	6.5◂	1.6	0.2	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.3	15	5.8	1.2	0.2	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	11	13	1.1	0.1	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	9.0	6.4	1.1	0.1	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	8.5	5.5	1.0	0.1	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	7.8	5.0	1.0	0.1	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	6.9	4.8	0.9	0.1	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0•	0.0	6.4	4.3	0.9	0.1	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	7.1	4.3	1.1	0.1	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		4.1	0.9	0.1	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		3.8	0.9	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		3.8		0.0		0.0	0.0		31
MEAN	0.0	0.0	1.7	0.7	49.7	29.2	1.9	0.4	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	42.0	22.0	320	224	3.7	0.8	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	3.8	0.9	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			105	45	2758	1797	110	22					AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.7	1580 E	8.55	2	9	0600	0.0		10	1	0000	4837

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 40	122 01 43	SE 1 7N 2W	4000E	14.78	2/16/59	NOV 51-JUN 54 OCT 57-DATE	NOV 51-JUN 54 OCT 57-DATE	1957		150.33	USCGS

Station located 1.0 mi. above mouth, E of Pleasants Valley Road, 4.4 mi. SW of Winters. Tributary to Yolo Bypass via Putah Creek. Drainage area is 15.9 sq. mi.

TABLE 112

DAILY MEAN DISCHARGE

PUTAH CREEK BELOW WINTERS

IN SECOND FEET

STATION NO	WATER YEAR
A09160	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	0.0	32	49	62	33	38	30	38 E	11	0.0	1
2	0.0	0.0	54	31	51	64	32	41	30	40 E	23	0.0	2
3	0.0*	0.0	45	17	50	63	33	40	30	20 E	22	0.0	3
4	0.0	0.0	37	13	50	67	34	41	32	7.0E	25	20	4
5	0.0	0.0	24	8.3	54	71	32 *	39	38	4.0E	26	38	5
6	0.0	0.0	19	7.3	54	453 *	30	41	40	2.4E	28	40	6
7	0.0	0.0	24	7.9	58	131	30	40	39	2.4E	20 E	42	7
8	0.0	0.0	27	9.2	48 E	80	31	37	39	2.4E	5.0E	41	8
9	0.0	0.0	28	3.6	980 E	46	32	36	39	2.4E	0.0E	42	9
10	0.0	0.0	30	0.2	183	45	33	45	38	2.4E	0.0E	40	10
11	0.0	0.0	34	0.0	53	35	33	41	39	0.0E	0.0E	8.9	11
12	0.0	0.0	35	0.0	50	34	33	40	41	0.0E	0.0E	0.3	12
13	0.0	0.0	30	0.0	580	34	34	38	40	0.0E	0.0E	0.0	13
14	0.0	0.0	24	0.0	990 E	36	35	38	39	0.0E	0.0E	0.0*	14
15	0.0	0.0*	22	0.0	1580 E	31	38	23	39	0.0E	0.0E	0.0	15
16	0.0*	0.0	16	0.0*	181	30	36	20	39	15 E	0.0E	0.0	16
17	0.0	0.0	9.6	0.0	87	29	36 *	22	39	35 #	0.0#	0.0	17
18	0.0	0.0	23	0.0	80	30	35	18 *	41	43	0.0	0.0	18
19	0.0	0.0	15	0.0	130 *	31	35	16	5.7*	48	0.0	0.0	19
20	0.0	0.0	12 *	0.0	72	33 *	33	17	0.0	52	0.0	0.0	20
21	0.0	0.0	2.2	0.0	67	33	33	18	0.0	47	0.0	0.0	21
22	0.0	0.0	0.0	0.0	59	35	34	17	0.0	49	0.0	0.0	22
23	0.0	0.0	0.0	0.0	58	34	33	24	0.0	45	0.0	0.0	23
24	0.0	0.0	0.0	1.4	54	32	33	25	0.0	16	0.7	0.0	24
25	0.0	0.0	0.3	33	51	31	33	25	0.0	2.5	21	0.0	25
26	0.0	0.0	17	40	49	31	36	25	0.0	0.0	29	0.0	26
27	0.0	0.0	27	43	53	29	38	26	0.5	0.0	30	0.0	27
28	0.0	0.0	30	45	58	30	38	27	29	0.0	8.8	0.0	28
29	0.0	0.0	29	47		33	35	31	31	0.0	0.4	0.0	29
30	0.0	0.0	30	48		33	39	31	36	0.0	0.0	0.0	30
31	0.0		31	49		32		30		0.0	0.0		31
MEAN	0.0	0.0	21.8	14.1	208	56.7	34.0	30.6	25.8	15.3	8.1	9.1	MEAN
MAX.	0.0	0.0	54.0	49.0	1580 E	453	39.0	45.0	41.0	52.0	30.0	42.0	MAX.
MIN.	0.0	0.0	0.0	0.0	48.0E	29.0	30.0	16.0	0.5	0.0E	0.0E	0.0	MIN.
AC. FT.			1339	865	11560	3487	2023	1884	1536	939	496	540	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
34.1	7730E	11.10	02	15	0030	0.0		10	01	0000	24670

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 31 47	121 55 21	NE24 8N 1W	7980	12.82	2/16/59	OCT 57-DATE	OCT 57-DATE	1957		75.06	USCGS

Station located at Boyce Orchard, 2.7 mi. E of Winters.

Note: Due to the lack of high water measurements during 1961-62, and the changing channel conditions at this station during this period, high flows shown were estimated from an extension of a log-log rating curve. This results in the high flows, and in particular, the peak flows showing an inconsistent relationship with other stations on this stream. These high flows will be revised, if and when high water affords the opportunity of making measurements to definitely define the shape of high water curves.

TABLE 113

DAILY MEAN DISCHARGE

PUTAH CREEK ABOVE DAVIS
IN SECOND FEET

STATION NO	WATER YEAR
A09145	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	0.0	24	36	47	32	38	18	26	0.0*	0.0*	1
2	0.0	0.0	0.0	24	37	51	32	37	17	27	0.0	0.0	2
3	0.0*	0.0	28	16	38	52	32	36	18	16	1.3	0.0	3
4	0.0	0.0	25 *	11	37	52	33	33	20 E	4.7	6.9	0.0	4
5	0.0	0.0	18	6.3	39	59	32 *	31	24 E	2.9	8.6	0.9	5
6	0.0	0.0	12	2.5	41	499 *	31	32	28 E	1.3	11	18	6
7	0.0	0.0	15	2.0	45	228	30	31	27 E	0.8	4.5	19	7
8	0.0	0.0	19	3.7	55	141	31	28	27 E	0.3	0.0	20	8
9	0.0	0.0	20	2.9	954	62	31	27	27	1.6	0.0	22	9
10	0.0	0.0	22	0.1	275	51	30	34	28	2.0	0.0	21	10
11	0.0	0.0	24	0.0	57	39	30	31	28	0.0	0.0	4.8	11
12	0.0	0.0	24	0.0	30	34	30	32	28	0.0	0.0	0.0	12
13	0.0	0.0*	23	0.0	483	33	31	31	29	0.0	0.0	0.0	13
14	0.0	0.0	18	0.0	696	36	31	31	29	0.0	0.0	0.0*	14
15	0.0	0.0	15	0.0	1780 #	31	34	20	30	0.0	0.0	0.0	15
16	0.0*	0.0	12	0.0*	236 *	30	33	15	28	0.0	0.0	0.0	16
17	0.0	0.0	5.9	0.0	102	29	32 *	13	29	9.2	0.0*	0.0	17
18	0.0	0.0	7.7	0.0	60	29	31	11 *	29	24	0.0	0.0	18
19	0.0	0.0	13	0.0	165	31	30	8.7	7.5*	28	0.0	0.0	19
20	0.0	0.0	5.7*	0.0	70	33 *	30	6.4	0.0	31	0.0	0.0	20
21	0.0	0.0	1.9	0.0	56	33	31	6.7	0.0	29	0.0	0.0	21
22	0.0	0.0	0.0	0.0	49	34	32	6.2	0.0	30	0.0	0.0	22
23	0.0	0.0	0.0	0.0	47	33	31	10	0.0	27	0.0	0.0	23
24	0.0	0.0	0.0	0.0	41	31	31	14	0.0	9.2	0.0	0.0	24
25	0.0	0.0	0.0	0.0	38	30	31	13	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	25	36	30	33	13	0.0	0.0	0.0	0.0	26
27	0.0	0.0	11	32	37	30	34	14	0.0	0.0	6.7	0.0	27
28	0.0	0.0	22	34	41	30	35	15	0.1	0.0	3.9	0.0	28
29	0.0	0.0	23	35		33	33	17	20	0.0	0.0	0.0	29
30	0.0	0.0	24	36		32	34	17	25	0.0	0.0	0.0	30
31	0.0		24	36		32		16		0.0	0.0		31
MEAN	0.0	0.0	13.3	9.4	199	61.8	31.7	21.5	17.2	8.7	1.4	3.5	MEAN
MAX.	0.0	0.0	28.0	36.0	1780 E	499	35.0	38.0	30.0	31.0	11.0	22.0	MAX.
MIN.	0.0	0.0	0.0	0.0	30.0	29.0	30.0	6.2	0.1	0.0	0.0	0.0	MIN.
AC. FT.			820	576	11070	3798	1886	1325	1025	536	85	210	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
29.5	7020 E	12.04	2	15	0220	0.0		10	1	0000	21330

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 32 13	121 51 00	SW15 8N 1E	8260	15.53	2/16/59	5/52-11/53 δ 10/57-DATE	5/52-11/53 δ 10/57-DATE	1957		47.52	USCGS

Station located at Stevenson Road bridge, 6.0 mi. W of Davis. Tributary to Yolo Bypass via South Fork Putah Creek.
δ - Irrigation season only

Note: Due to the lack of high water measurements during 1961-62, and the changing channel conditions at this station during this period, high flows shown were estimated from an extension of a log-log rating curve. This results in the high flows, and in particular, the peak flows showing an inconsistent relstionship with other stations on this stream. These high flows will be revised, if and when high water affords the opportunity of making measurements to definitely define the shape of high water curves.

TABLE 114

DAILY MEAN DISCHARGE

SOUTH FORK PUTAH CREEK NEAR DAVIS
IN SECOND FEET

STATION NO.	WATER YEAR
A09115	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	0.0	15	35	44 E	17	20	14	5.4	0.0*	0.0*	1
2	0.0	0.0	0.0	16	34	46	18	17	12	12	0.0	0.0	2
3	0.0*	0.0	0.0	13	35	47	17	23	10	14	0.0	0.0	3
4	0.0	0.0	0.5*	2.9	36	46	16	19	13	1.7	0.0	0.1	4
5	0.0	0.0	0.7	1.8	36	58	16 *	16	19	0.2*	0.0	0.0	5
6	0.0	0.0	0.9	1.3	41	379 *	15	16	22	0.0	0.0	0.0	6
7	0.0	0.0	1.0	1.2	43	259	14	22	24	0.1	0.0	0.0	7
8	0.0	0.0	2.1	1.1	41 *	149	20	21	24	1.1	0.0	1.2	8
9	0.0	0.0	6.6	1.1	590	68	23	22	18	0.0	0.0	3.8	9
10	0.0	0.0	9.1	1.1	308	49	21	27	19	0.0	0.0	4.1	10
11	0.0	0.0	12	1.2	73	41	19	28	19	0.0	0.0	5.4	11
12	0.0	0.0	16	1.2	36 E	35	18	23	16	0.0	0.0	3.9	12
13	0.0	0.0	15	1.6E	278 E	32	19	16	12	0.0	0.0	1.8	13
14	0.0	0.0	12	1.8E	505 E	33 E	17	16	15	0.0	0.0	0.0*	14
15	0.0	0.0*	5.8	2.0E	1360 *	27	19	12	13	0.0	0.0	0.4	15
16	0.0*	0.1	4.5	2.1	251 *	25	21	3.1	15	0.0	0.0	0.0	16
17	0.2	0.2	0.7	2.1	102	23	19 *	7.2	16	0.0*	0.0*	0.1	17
18	0.3	0.0	0.5	2.1	49 E	23	28	10 *	16	0.0	0.0	0.2	18
19	0.0	0.0	0.7	2.4	146 E	24	28	1.5	7.2	3.7	0.0	0.1	19
20	0.0	0.1	0.6*	2.1	69	25 *	27	2.1	0.0	11 *	0.0	0.2	20
21	0.0	0.2	0.7	2.1	44 E	25	28	1.1	0.0	9.8	0.0	0.5	21
22	0.0	0.1	0.2	2.6	41 E	26	29	1.7	0.0	8.7	0.0	0.4	22
23	0.0	0.0	0.2	2.4	37 E	25	23	0.6	0.0	13	0.0	0.0	23
24	0.0	0.0	0.3	2.4	34	23	26	1.5	0.0	6.6	0.0	0.3	24
25	0.0	0.0	0.2	2.4	32	21	27	6.2	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.7	2.3	32	20	28	12	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.8	2.0	34 E	20	28	10	0.0	1.1	0.0	0.0	27
28	0.0	0.0	1.0	19 E	37 E	19	26	13	0.0	0.6	0.0	0.0	28
29	0.0	0.3	0.7	32 E		20	20	14	0.0	0.0	0.0	0.0	29
30	0.0	0.0	7.2	33 E		18	18	12	0.0	0.9	0.0	0.0	30
31	0.0		13	34 E		17		15		0.3	0.0		31
MEAN	0.0	0.0	3.7	6.7	156	53.8	21.5	13.2	10.1	2.9	0.0	0.8	MEAN
MAX.	0.3	0.3	16.0	34.0E	1360	379	29.0	28.0	24.0	14.0	0.0	5.4	MAX.
MIN.	0.0	0.0	0.0	1.1	32.0	17.0	14.0	0.6	7.2	0.0	0.0	0.0	MIN.
AC. FT.	1	2	226	411	8646	3306	1279	811	603	179		45	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
21.4	3590	9.24	2	15	0410	0.0		10	1	0000	15510

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 31 02	121 45 21	NE28 8N 2E	8410	12.93	2/16/59	OCT 57-DATE	OCT 57-DATE	1957		24.57	USCOS

Station located at Low Water bridge, 0.8 mi. below U. S. Highway 40 bridge, 2.3 mi. SW of Davis. Tributary to Yolo Bypass.

Note: Due to the lack of high water measurements during 1961-62, and the changing channel conditions at this station during this period, high flows shown were estimated from an extension of a log-log rating curve. This results in the high flows, and in particular, the peak flows showing an inconsistent relationship with other stations on this stream. These high flows will be revised, if and when high water affords the opportunity of making measurements to definitely define the shape of high water curves.

TABLE 115

DAILY MEAN DISCHARGE

INFLOW TO MILLERTON LAKE

IN SECOND FEET

STATION NO	WATER YEAR
671121	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	260	225	547	298	1071	2249	3499	3525	5989	3459	2677	2116	1
2	334	318	927	456	675	2174	3327	3486	6423	3485	2700	2120	2
3	309	189	1190	338	739	2015	3478	3508	7160	3455	2618	2040	3
4	319	192	959	338	723	1837	3466	3859	5926	3294	2654	2267	4
5	318	169	511	318	873	1927	3481	7704	5297	3401	2387	2155	5
6	278	182	587	277	807	4573	3559	8266	5393	3554	2603	2170	6
7	219	223	537	303	1035	4038	3585	7745	5972	3692	2684	2128	7
8	268	243	603	383	1403	3494	3590	7617	6003	3526	2674	1964	8
9	276	239	356	371	2952	2738	3562	7209	6178	3548	2691	2059	9
10	256	215	273	438	8221	1989	3680	6654	6694	3445	2701	2032	10
11	313	207	370	393	8356	1987	3617	5590	6510	3460	2423	1970	11
12	265	215	399	509	5155	2296	3656	5399	6421	3293	2262	1990	12
13	363	190	328	431	4074	2971	3645	4798	6189	2865	2461	2059	13
14	249	291	458	201	4189	2750	3738	4104	5697	2615	2416	2115	14
15	375	226	723	374	4945	1951	3695	3893	5286	2706	2329	1985	15
16	917	227	549	256	5210	1825	3629	3750	4629	2780	2215	1955	16
17	284	327	663	347	4138	1754	3697	3678	4518	2738	2297	1794	17
18	315	182	681	379	3835	1087	3697	3723	5306	2695	2179	1894	18
19	292	251	772	643	3902	1496	3704	3654	5718	2652	2260	1924	19
20	246	1010	778	989	3714	1460	3688	3712	6357	2710	2103	1945	20
21	260	385	772	799	3633	2444	3665	3556	6598	2406	2227	1803	21
22	270	309	808	998	3563	2681	3681	3529	6223	2243	2256	1900	22
23	277	270	359	784	3529	2986	3648	4181	6046	2403	2245	1837	23
24	216	313	241	605	3611	3028	3613	4222	5167	2722	2252	1753	24
25	238	514	321	478	3494	2803	3564	3948	4994	2635	2221	1893	25
26	403	576	436	420.	3585	2616	3534	3702	4704	2679	2274	1624	26
27	302	531	437	438	3500	3488	3464	3556	4531	2647	2218	1945	27
28	337	450	466	439	3475	2963	3536	3556	4082	2419	2140	2176	28
29	176	357	479	426		2970	3598	3403	4045	2503	2214	1900	29
30	307	627	468	469		3332	3500	4329	3667	2592	2211	1783	30
31	203		309	713		3412		5271		2695	2153		31
MEAN	305	322	558	471	3372	2559	3593	4682	5591	2946	2379	1977	MEAN
MAX.	917	1010	1190	998	8356	4573	3738	8266	7160	3692	2701	2267	MAX.
MIN.	176	169	241	201	675	1087	3327	3403	3667	2243	2103	1624	MIN.
AC. FT.	18734	19146	34328	28980	187253	157357	213513	287855	332674	181125	146271	117612	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2382											1724848

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 00 00	119 42 10	SW 5 11S 21E				OCT 41-DATE	OCT 41-DATE	1941		0.00	USCGS

Station located near center of Friant Dam on San Joaquin River, immediately above Cottonwood Creek, 0.9 mi. NE of Friant. Uaable capacity, 503,000 ac.-ft. between elevations 375.4 and 578.0 ft. above mean aea level. Not available for release, 17,400 ac.-ft. Inflow to Friant Reservoir takes into account change in storage, release, spill, precipitation, and evaporation, and ia representative of the natural flow which would pass the dam site if the dam had not been constructed. Figures shown under total discharge are computed inflow to the reservoir. Period of record for computed inflow is shown under period of record for discharge. Records furnished by U.S.B.R.Drainage area ia 1,633 aq. mi.

TABLE 116

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER AT WHITEHOUSE

STATION NO.	WATER YEAR
B07780	1962

IN SECOND FEET

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.													AC.FT.

INSUFFICIENT DATA TO PUBLISH

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
# - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 46 26	120 17 05	NE25 13S 15E				01-DATE	01-DATE		1928	166.58	USED
								1928	1952	167.0	USED
								1952	1952	166.47	USED
								1952		171.0	USED

Station located 13 mi. below the head of Oravelly Ford Canal. Record furnished by Contracting Entities.

TABLE 117

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER NEAR MENDOTA

IN SECOND FEET

STATION NO	WATER YEAR
807710	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	276	36	62	204	66	31	348	346	404	408	410	321	1
2	276	29	64	195	63	31	346	346	406	404	408	321	2
2	273	32	62	162	59	31	348	356	411	394	426	321	3
4	261	51	62	105	59	31	346	366	421	391	428	335	4
5	242	51	62	74	53	30	311	364	428	414	426	348	5
6	224	51	62	62	36	30	281	364	438	441	424	344	6
7	200	51	61	61	19	29	278	368	448	434	408	328	7
8	192	49	61	39	11	30	276	371	459	428	401	314	8
9	209	48	61	32	10	30	276	384	474	431	404	298	9
10	203	48	61	29	10	30	278	386	479	459	404	314	10
11	162	48	62	26	8	30	271	388	464	482	396	334	11
12	114	50	61	18	7	30	271	388	436	477	398	326	12
13	40	50	62	14	7	55	276	386	434	469	421	298	13
14	51	50	61	9	12	101	254	374	431	466	454	286	14
15	64	48	61	7	6	132	234	366	426	466	438	284	15
16	53	48	60	4	5	152	238	356	408	464	438	284	16
17	45	47	60	4	5	158	254	344	394	446	428	284	17
18	41	48	58	4	5	158	268	341	394	434	408	281	18
19	50	48	35	7	7	162	281	338	411	438	406	281	19
20	60	47	3	46	9	186	284	334	434	444	394	274	20
21	58	45	2	110	10	219	286	334	436	444	368	271	21
22	60	40	1	77	19	236	296	334	438	446	366	266	22
22	51	39	2	34	33	261	306	344	438	436	371	266	23
24	38	40	3	81	33	266	304	364	436	426	358	264	24
25	55	50	2	80	33	258	298	361	431	428	364	274	25
26	73	64	3	69	34	298	296	361	421	434	374	281	26
27	78	62	3	57	34	368	296	361	438	428	364	301	27
28	84	64	3	55	33	396	298	366	438	444	366	321	28
29	84	64	51	60		396	298	371	436	438	358	321	29
30	81	61	172	70		391	314	374	424	444	354	246	30
31	65		213	68		368		381		441	338		31
MEAN	121	49.0	51.0	60.0	24.0	159	290	362	431	439	397	300	MEAN
MAX.	276	64.0	213	204	66.0	396	348	388	479	482	454	348	MAX.
MIN.	38.0	29.0	1.0	4.0	5.0	29.0	234	334	394	391	338	246	MIN.
AC. FT.	7460	2890	3170	3700	1360	9770	17280	22250	25660	26970	24400	17830	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
225											162740

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.& R M.D.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
36 48 37	120 22 35	SW 7 13S 15E	8840	13.1	6/ 1/52 5/29/52	OCT 39-DATE	OCT 39-DATE	1939		142.53	USBR

Station located 2.5 mi. below Mendota Dam, 4 mi. N of Mendota. Records furn. by U.S.B.R. Drainage area is 4,310 sq. mi.

TABLE 118

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER NEAR DOS PALOS

IN SECOND FEET

STATION NO	WATER YEAR
807610	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	186	0.0	0.0	0.0	8	0.0	3	0.0	0.0	1
2	0.0	0.0	0.0	184	0.0	0.0	0.0	10	0.0	0.0	3	0.0	2
3	0.0	0.0	0.0	182	0.0	0.0	0.0	0.0	0.0	6	0.0	0.0	3
4	0.0	0.0	0.0	148	0.0	0.0	0.0	0.0	0.0	9	0.0	0.0	4
5	0.0	0.0	0.0	100	0.0	0.0	4	0.0	0.0	12	0.0	0.0	5
6	0.0	0.0	0.0	68	0.0	0.0	12	0.0	8	12	0.0	0.0	6
7	0.0	0.0	0.0	51	0.0	0.0	12	9	12	8	0.0	9	7
8	0.0	0.0	0.0	38	0.0	0.0	12	12	12	0.0	0.0	12	8
9	0.0	0.0	0.0	29	0.0	0.0	12	12	12	9	0.0	4	9
10	0.0	0.0	0.0	23	5	0.0	12	12	12	12	0.0	0.0	10
11	0.0	0.0	0.0	17	16	0.0	4	12	12	12	0.0	0.0	11
12	0.0	0.0	0.0	14	2	0.0	0.0	12	12	12	0.0	0.0	12
13	0.0	0.0	0.0	9	0.0	0.0	0.0	10	12	12	6	4	13
14	0.0	0.0	0.0	6	0.0	0.0	5	9	12	12	7	0.0	14
15	0.0	0.0	0.0	3	0.0	0.0	0.0	12	12	12	0.0	4	15
16	0.0	0.0	0.0	1	0.0	0.0	0.0	5	12	12	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	5	12	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	9	12	0.0	12	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	12	12	0.0	10	0.0	0.0	19
30	0.0	0.0	0.0	0.0	0.0	0.0	12	11	0.0	9	0.0	0.0	30
21	0.0	0.0	0.0	0.0	0.0	0.0	10	5	0.0	12	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	12	0.0	0.0	22
22	0.0	0.0	5	0.0	0.0	0.0	0.0	12	0.0	4	0.0	0.0	23
24	0.0	0.0	5	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	5	24
25	0.0	0.0	5	0.0	0.0	0.0	4	4	5	0.0	0.0	4	25
26	0.0	0.0	3	0.0	0.0	0.0	0.0	7	12	0.0	0.0	0.0	26
27	0.0	0.0	2	0.0	0.0	0.0	0.0	5	12	0.0	0.0	0.0	27
28	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	28
29	0.0	0.0	1	0.0		0.0	0.0	0.0	9	5	1	0.0	29
30	0.0	0.0	24	0.0		0.0	0.0	0.0	0.0	4	0.0	0.0	30
21	0.0		148	0.0		0.0		0.0		8	0.0		31
MEAN	0.0	0.0	6.2	34.0	1.0	0.0	4.0	7.2	6.1	7.4	0.5	1.4	MEAN
MAX.	0.0	0.0	148	186	16.0	0.0	12.0	12.0	12.0	12.0	7.0	12.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	385	2100	46	0.0	238	444	363	458	34	83	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5.7											4151

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R M.D.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
[illegible] 59 38	120 30 00		8200	13.08	6/ 5/52 5/21/52	OCT 40-DATE	OCT 40-DATE	194[illegible]		110.5	USED

Station located 800 ft. below the head of Temple Slough, 6.5 mi. E of Dos Palos. Records furn. by U.S.B.R.
Drainage area is approx. 5,630 sq. mi.

TABLE 119

DAILY MEAN DISCHARGE

PANOCHE DRAIN NEAR DOS PALOS

IN SECOND FEET

STATION NO	WATER YEAR
B 00975	1962

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2								30.0**					2
3													3
4			3.1**						37.0**				4
5				2.7**						48.3**			5
6					11.9**							46.0**	6
7											53.6**		7
8													8
9													9
10													10
11													11
12													12
13													13
14					INSUFFICIENT DATA TO PUBLISH DAILY FLOWS								14
15		3.5**	2.9**			10.0**							15
16													16
17												37.6**	17
18													18
19					65.6**								19
20	12.8**									52.6**			20
21									51.3**		60.0**		21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.													AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *
** - Result of discharge measurement.

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 55 25	120 41 19	NW 5 12S 12E		3.78	5/ 2/59	FEB 59-DATE	FEB 59-DATE	1959		0.00	LOCAL

Station located midway between outside and main canals 0.5 mi. S of main canal levee road, 5.6 mi. SW of Dos Palos. This is drainage returned to San Joaquin River. Gage sometimes affected by backwater due to inadequate drainage facilities.

TABLE 120

DAILY MEAN DISCHARGE

BIG CREEK DIVERSION NEAR FISH CAMP

IN SECOND FEET

STATION NO.	WATER YEAR
B67920	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	1.3E	NR	2.4E	6.3E	2.4E	21	15 •	51	20	5.5	1.7	1
2	0.9	1.3E	NR	2.4E	6.3E	2.3E	21	27 •	52	19	5.2	1.7	2
3	0.8	1.3E	NR	2.4#	6.3E	2.7E	22 •	34	51	18	4.6•	1.5	3
4	0.8	1.3E	NR	2.9	6.3E	3.1E	23	34	49	17 •	4.6	1.4	4
5	1.0	1.3E	3.0#	3.0	6.3E	3.6E	23	34	49	16	4.7	1.3	5
6	0.9	1.2E	3.0E	3.0	6.1	4.4E	23	33	49	15	4.6	1.3	6
7	0.9	1.2E	2.9E	3.6	9.8	4.9E	22	39 •	50	15	4.3	1.3•	7
8	0.9	1.2E	2.8E	3.9	19	5.3E	21	45	51 •	14	4.0	1.2	8
9	1.1	1.2E	2.7E	3.8	33	5.9E	22	45	51	14	2.4	1.3	9
10	1.3	1.1E	2.6E	3.7	32	6.6E	22	45 •	51	13	0.0	1.4	10
11	1.2	1.1E	2.5E	3.5	27	7.1E	21	44	50	13	0.0	1.4	11
12	1.2	1.1E	2.4E	5.0	23	7.3E	21	44	49	16	0.0	1.5	12
13	1.2	1.1E	2.3E	3.4	20	7.7E	21	42	47	14	0.0	1.5	13
14	1.2	1.1E	2.3E	4.1	21	8.6E	21	41	49	13	0.0	1.3	14
15	1.1	1.1E	2.2E	4.7	23	9.2E	20	39	47	12	0.0	1.2	15
16	1.2	1.1#	2.2E	6.5	18	8.8E	19	40	45	11	0.0	1.3	16
17	1.0	1.1E	2.1E	7.5	15	11	19	40	44	11	0.0	1.3	17
18	0.9•	1.1E	2.1#	8.3	14	8.5	19	39	44	10	0.0	1.2	18
19	0.5	1.1E	2.1E	7.7	13	9.5	19	39	43	9.6	0.0	1.2	19
20	0.9	1.5E	2.1E	6.3E	11	9.6	18	39	42	9.3	0.4	1.2	20
21	3.0	5.6E	2.1E	6.3E	9.8E	8.5	18	38	40	9.0	2.0	1.2	21
22	1.7	NR	2.2E	6.3E	8.8E	9.0E	18	40	34	8.5	2.0	1.1	22
23	1.3	NR	2.2E	6.3E	8.0E	11 E	18	40	30	8.3	2.0	1.0	23
24	1.1	NR	2.2E	6.3E	7.3E	9.6E	18	39	29	7.8	2.0	0.9	24
25	1.2	NR	2.2E	6.3E	6.6E	11	17	39	27	7.5	2.0	0.9	25
26	1.2	NR	2.3E	6.3E	5.3E	13	17	38	26	7.3	2.0	0.9	26
27	1.2	NR	2.3E	6.3E	4.2E	16	16	38	24	6.7	1.9	0.9	27
28	1.4	NR	2.3E	6.3E	3.3E	17	16	38	23	6.5	1.9	0.9	28
29	1.2	NR	2.4E	6.3E		18	16	39	22	6.3	1.8	0.9	29
30	1.4	NR	2.4E	6.3E		20	16	42	21	5.9	1.8	0.9	30
31	1.4		2.4E	6.3E		22		43		5.8	1.8		31
MEAN	1.2	NR	NR	5.1	13.2	9.1	19.6	38.5	41.3	11.6	2.0	1.2	MEAN
MAX.	3.0	NR	NR	8.3	33.0	22.0	23.0	45.0	52.0	20.0	5.5	1.7	MAX.
MIN.	0.5	NR	NR	2.4E	3.3E	2.3E	16.0	15.0	21.0	5.8	0.0	0.9	MIN.
AC. FT.	72	NR	NR	312	733	563	1166	2364	2460	713	122	73	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.& M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 28 10	119 36 52	NE25 5S 21E		3.50	2/16/59	DEC 58-DATE	DEC 58-DATE	1958		0.57	LOCAL

Station located 195 ft. above road bridge, 1.4 mi. SE of Fishcamp. This is regulated diversion from Big Creek to Lewis Fork, Fresno River. Stage-discharge relationship at times affected by ice.

TABLE 121

DAILY MEAN DISCHARGE

MIAMI CREEK NEAR OAKHURST

IN SECOND FEET

STATION NO	WATER YEAR
867300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.4	3.8	0.9	2.9	7.4	16	9.0*	4.6	1.9	0.6	1.9	1
2	0.0	0.3*	11	1.0	3.1	7.6*	16	8.4	4.3	1.8	0.6	2.2	2
3	0.0	0.2	4.1	1.1*	3.1	7.6	16 *	8.4	3.6	1.8	0.6*	0.9	3
4	0.0	0.2	2.7	1.0	3.2	7.4	17	8.2	2.9	5.4*	1.3	0.4	4
5	0.0	0.3	2.0*	1.1	3.4	8.2	19	7.9	3.3	2.1	0.9	0.3	5
6	0.0	0.2	1.3	1.2	3.7	14	20	7.7	3.4	2.1	0.9	0.1	6
7	0.0	0.2	1.3	1.2	11	12	21	7.2	3.1	2.1	0.9	0.0*	7
8	0.0	0.1	1.2	1.3	23 *	11	21	6.5	3.0*	1.9	0.8	0.0	8
9	0.0	0.2	1.2	1.3	89 *	11	20	6.5	2.7	1.9	0.9	0.0	9
10	0.0	0.2	1.1	1.3	193	9.2	19	6.4	3.2	1.6	0.8	0.0	10
11	0.1	0.2	1.3	1.3	138	9.3	18	6.6	5.4	1.5E	0.7	0.0	11
12	0.2	0.3	1.1	1.3	47	8.8	18	6.6	5.4	1.6E	0.7	0.0	12
13	0.2	1.0	1.1	1.4	37 *	8.8	19	6.3	5.3	2.2	0.7	0.0	13
14	0.1	2.8	1.1	1.2E	38	8.9	18	6.5	5.6	2.0	0.6	0.0	14
15	0.1	1.4	1.1	1.3E	62	9.2	17	6.6	5.9	1.8	0.5	1.0	15
16	0.1	0.6	1.1	1.3E	44	9.3	16	8.2	5.8	1.6	0.5	1.3	16
17	0.1	0.3	1.1	1.3E	28	9.0	15	7.3	5.7	1.4	0.5	1.0	17
18	0.1*	0.3	1.1	1.3E	22	9.4	15	6.6	4.3	1.3	0.5	0.7	18
19	0.1	0.3	1.2	1.4E	19	9.8	15	5.9	2.8	1.4	0.5	0.5	19
20	0.1	1.3*	1.1	1.5E	16	11	13	5.6	2.5	1.2	0.5	0.4	20
21	0.4	0.6	1.1	1.7E	13	10	12	5.1	2.1	1.1	0.4	0.3	21
22	0.4	0.7	1.1	1.8E	12	12	12	5.1	2.2	0.9E	0.4	0.3	22
23	0.3	0.7	1.1	1.8	11	11	11	3.9	2.0	0.9	0.4	0.3	23
24	0.3	0.6	1.1	1.9	11	11	11	3.8	2.0	0.9	0.4	0.3	24
25	0.4	1.4	1.1	1.9	9.5	12	11	4.2	1.9	0.9	0.4	0.3	25
26	0.4	3.8	1.2	1.9	9.2	13	10	5.0	2.0	0.8	0.3	0.4	26
27	0.4	1.6	1.1	2.1	8.7	14	10	5.4	1.8	0.7	1.3	0.5	27
28	0.5	1.1	1.0	2.4	8.0	15	14	5.3	1.9	0.7	1.2	0.5	28
29	0.5	1.1	1.1	2.4		15	11	4.9	2.0	0.7	1.1	0.5	29
30	0.5	2.4	1.0	2.5		15	9.7	4.6	1.9	0.7	1.1	0.4	30
31	0.5		0.9	2.6		15		4.3		0.7	2.1		31
MEAN	0.2	0.8	1.7	1.5	31.0	10.7	15.4	6.3	3.4	1.5	0.7	0.5	MEAN
MAX.	0.5	3.8	11.0	2.6	193	15.0	21.0	9.0	5.9	5.4	2.1	2.2	MAX.
MIN.	0.0	0.1	0.9	0.9	2.9	7.4	9.7	3.8	1.8	0.7	0.3	0.0	MIN.
AC. FT.	12	49	105	95	1723	658	914	385	204	94	46	28	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
6.0	251	6.03	2	10	1040	0.0		9	7	0000	4312

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 23 38	119 39 10	SE22 6S 21E	282E	5.46	2/ 8/60	DEC 59-DATE	DEC 59-DATE	1959		0.00	LOCAL

Station located 150 ft. below bridge, 4.5 mi. N of Oakhurst. Tributary to Fresno River. Stage-discharge relationship at times affected by ice. Drainage area is 10.5 sq. mi. Recorder installed December 15, 1959.

TABLE 122

DAILY MEAN DISCHARGE

LEWIS FORK FRESNO RIVER NEAR OAKHURST

IN SECOND FEET

STATION NO	WATER YEAR
867325	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	1.4	19	13	11	43 E	73 E	68	103	51	15	3.4	1
2	1.8	4.2•	59 •	11	12	48 #	76 E	79	105	49	13	2.8	2
3	1.3	4.6	24	11 •	12	37	80 E	101	104	46	12 •	2.5	3
4	1.7	4.1	17	6.6	11	37	80 E	103	99	44 •	13	2.4	4
5	1.9	3.5	15	7.3	11	40	82 E	104	100	42	14	2.6	5
6	2.2	3.2	14	7.9	12	100	89	99	100	42	14	1.8	6
7	1.8	2.5	13	8.2	39	68	93	101	100	40	14	1.4•	7
8	2.1	1.6	12	8.8	79 •	55	92	113	94 •	39	12	0.6	8
9	2.0	2.1	11	8.8	259 •	54	88	116	93	37	8.6	0.6	9
10	2.2	2.3	10	8.4	469 •	48	87 •	112 •	93	35	2.7	0.5	10
11	2.7	1.9	8.5	6.9	502	49	94	111	92	33	0.0	0.7	11
12	2.6	1.9	11	6.8	218	44	91	114	94	37	0.0	1.0	12
13	2.0	2.2	8.6	9.1	142 •	42	91	112	90	37	0.0	1.0	13
14	1.1	1.8	8.4	6.7	138	42	87	110	97	35	0.0	0.7	14
15	2.5	1.6	9.6	8.6	245	40	82	102	91	32	0.0	0.8	15
16	2.3	2.5	8.9E	8.7	184	39	76	108	90	31	0.0	0.5	16
17	1.8	2.1	8.9E	8.8	102	38	74	100	85	30	0.0	0.7	17
18	1.6	1.3	8.9E	8.4•	73	39	74	100	86	27	0.0	0.3	18
19	1.4	1.0	8.9E	12	72	40	76 •	96	80	25	0.3	0.3	19
20	1.3•	11 •	9.0E	19 •	64	48	71	97	79	24	0.9	0.4	20
21	3.0	4.7	9.2E	10	51	41	68	95	75	23	0.6	0.2	21
22	4.8	4.6	9.3E	11	47	57	66	97	72	21	1.6	0.1	22
23	3.0	5.8	9.5E	12	43	49	66	102	70	21	2.3	0.3	23
24	1.7	7.2	9.6E	11	44	46	64	102	67	19	2.4	0.0	24
25	1.2	11	9.8E	8.5	41	49	67	98	66	18	2.5	0.1	25
26	0.8	26	9.9E	8.6	41	52	67	99	65 E	17	2.7	0.2	26
27	0.6	13	9.9E	9.5	34 E	59	66	99	65 E	17	2.8	0.5	27
28	2.1	8.4	9.8E	9.4	38 E	64	73	98	59	17	3.3	0.6	28
29	1.4	10	9.6E	10		65	67	100	56	17	3.4	1.1	29
30	2.3	13	9.5E	9.8		66	65	103	52	15	3.5	0.9	30
31	1.6		10	11		70		105		15	4.2		31
MEAN	1.9	5.4	12.6	9.6	107	50.6	77.5	101	84.1	30.2	4.8	1.0	MEAN
MAX.	4.8	26.0	59.0	19.0	502	100	94.0	116	105	51.0	15.0	3.4	MAX.
MIN.	0.6	1.0	8.4	6.6	11.0	37.0	64.0	68.0	52.0	15.0	0.3	0.0	MIN.
AC. FT.	119	318	775	589	5939	3112	4612	6236	5002	1857	295	58	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
39.9	631	3.07	2	10	1210	0.0		8	11	0000	28910

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 20 44	119 38 20	SE 2 7S 21E	631	3.07	2/10/62	SEP 61-DATE		1961	DATE	0.50	LOCAL

Station located 1.6 mi. N of Oakhurst on Highway 41, 500 ft. downstream from Shady Oaks Motel.
Station located on left bank above concrete weir.

TABLE 123

DAILY MEAN DISCHARGE

MIDDLE FORK CHOWCHILLA RIVER NEAR NIPINNAWASEE

IN SECOND FEET

STATION NO	WATER YEAR
864360	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.1	0.4	14	9.1	4.2	2.0	0.1	0.0	0.0	1
2	0.0	0.0	10	0.1	0.3	49 *	8.9	4.4	1.7	0.1	0.0	0.0	2
3	0.0*	0.0*	4.6	0.1	0.3	35	8.8	4.1	1.9	0.1*	0.0	0.0	3
4	0.0	0.0	1.2*	0.1	0.2	23	8.6	3.8*	1.6	0.1	0.0	0.0	4
5	0.0	0.0	0.6	0.1	0.2	20	8.4	3.7	1.8	0.0	0.0	0.0	5
6	0.0	0.0	0.4	0.1	0.2	136 *	8.3*	3.4	1.4	0.0	0.0	0.0	6
7	0.0	0.0	0.2	0.1	1.2	65	8.6	3.3	1.1*	0.0	0.0	0.0	7
8	0.0	0.0	0.3	0.1	15 *	32	8.2	3.3	1.0	0.0	0.0	0.0	8
9	0.0	0.0	0.2	0.1	349	26	8.1	3.3	1.2	0.0	0.0	0.0	9
10	0.0	0.0	0.2	0.1	513 *	21	7.9	3.1	1.2	0.0	0.0	0.0	10
11	0.0	0.0	0.1	0.1	390	22	7.6	3.2	0.9	0.0	0.0	0.0	11
12	0.0	0.0	0.1	0.1	92 *	22	7.0	3.2	0.9	0.0	0.0	0.0	12
13	0.0	0.0	0.1	0.1	73	18	6.4	3.4	0.8	0.1	0.0	0.0	13
14	0.0	0.0	0.1	0.1	71	15	6.4	3.5	0.9	0.0	0.0	0.0	14
15	0.0	0.0	0.1	0.1	259 *	14	6.1	3.8	1.2	0.0	0.0	0.0	15
16	0.0	0.0	0.1	0.1	157	13	6.0	3.8	1.1	0.0	0.0	0.0	16
17	0.0	0.0	0.1	0.1	47	12	5.6	4.1	1.1	0.0	0.0	0.0	17
18	0.0*	0.0	0.1	0.1	26	11	5.4	3.5	1.0	0.0	0.0	0.0	18
19	0.0	0.0	0.2	0.3	31	11	5.5	3.3	0.7	0.0	0.0	0.0	19
20	0.0	0.0*	0.1	7.8	26	10	6.8	2.9	0.5	0.0	0.0	0.0	20
21	0.0	0.0	0.1	3.6	20	10	5.6	3.0	0.5	0.0	0.0	0.0	21
22	0.0	0.0	0.1	1.7*	16	19	5.3	2.9	0.4	0.0	0.0	0.0	22
23	0.0	0.0	0.1	1.0*	14	22	4.9	2.6	0.3	0.0	0.0	0.0	23
24	0.0	0.0	0.1	0.7	16	15	4.6	2.8	0.3	0.0	0.0	0.0	24
25	0.0	0.0	0.1	0.7	15	12	4.6	2.7	0.3	0.0	0.0	0.0	25
26	0.0	0.0	0.1	0.6	17	11	4.6	2.8	0.2	0.0	0.0	0.0	26
27	0.0	0.0	0.1*	0.6	14	10	4.4	3.0	0.2	0.0	0.0	0.0	27
28	0.0	0.0	0.1	0.6	13	10	7.3	3.4	0.2	0.0	0.0	0.0	28
29	0.0	0.0	0.1	0.6		9.7	5.8	2.8	0.2	0.0	0.0	0.0	29
30	0.0	0.0	0.1	0.5		9.5	4.1	2.3	0.1	0.0	0.0	0.0	30
31	0.0		0.1	0.4		9.3		2.3		0.0	0.0		31
MEAN	0.0	0.0	0.6	0.7	77.7	22.8	6.6	3.3	0.9	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	10.0	7.8	513	136	9.1	4.4	2.0	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.1	0.2	9.3	4.1	2.3	0.1	0.0	0.0	0.0	MIN.
AC. FT.			39	41	4318	1401	395	202	53	1			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
8.9	925	8.15	2	9	1500	0.0		10	1	0000	6450

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.&B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 22 56	119 50 11	NE25 6S 19E	966	8.30	4/ 3/58	MAR 58-DATE	MAR 58-DATE	1958		0.00	LOCAL

Station located 6 mi. W of Nipinnawasee, 10 mi. SE of Mariposa. Tributary to East Fork Chowchilla River. Drainage area is 12.3 sq. mi. Maximum shown prior to this report was based on extension of rating table good only to 600 c.f.s. Maximum of record revised due to high water measurement made in January 1963.

TABLE 124

DAILY MEAN DISCHARGE

WEST FORK CHOWCHILLA RIVER NEAR MARIPOSA

IN SECOND FEET

STATION NO.	WATER YEAR
864300	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.1	0.2	0.9	32	21	6.7	2.3	0.1	0.0	0.0	1
2	0.0	0.0	2.8	0.2	0.8	83	20	6.5	2.2	0.1	0.0	0.0	2
3	0.0*	0.0	2.6	0.2	0.8	68	18	6.5	2.1	0.0*	0.0	0.0	3
4	0.0	0.0	1.0*	0.3	0.8	51	16	6.2*	1.8	0.0	0.0	0.0	4
5	0.0	0.0	0.6	0.2	0.7	46	15	5.7	1.8	0.0	0.0	0.0	5
6	0.0	0.0	0.4	0.2	0.7	320 *	15 *	5.4	1.7	0.0	0.0	0.0	6
7	0.0	0.0	0.3	0.2	2.9	173	15	5.2	1.6*	0.0	0.0	0.0	7
8	0.0	0.0	0.2	0.2	44 *	104	14	5.0	1.5	0.0	0.0	0.0	8
9	0.0	0.0	0.2	0.2*	621 *	90	14	4.6	1.2	0.0	0.0	0.0	9
10	0.0	0.0	0.2	0.2	932 *	72	12	5.0	1.1	0.0	0.0	0.0	10
11	0.0	0.0	0.2	0.2	537	70	11	5.4	1.0	0.0	0.0	0.0	11
12	0.0	0.0	0.2	0.2	143 *	62	11	5.0	0.9	0.1	0.0	0.0	12
12	0.0	0.0	0.2	0.3	134	55	10	5.2	0.9	0.0	0.0	0.0	13
14	0.0	0.0	0.2	0.3	131	48	9.5	5.9	1.1	0.0	0.0	0.0	14
15	0.0	0.0	0.2	0.3	383	42	9.1	6.2	1.4	0.0	0.0	0.0	15
16	0.0	0.0	0.2	0.3	254	43	9.1	6.3	1.4	0.0	0.0	0.0	16
17	0.0	0.0	0.2	0.3	103	38	8.4	5.8	1.1	0.0	0.0	0.0	17
18	0.0*	0.0	0.3	0.3	71	33	8.1	4.9	0.9	0.0	0.0	0.0	18
19	0.0	0.0	0.3	0.6	80	31	8.9	4.5	0.6	0.0	0.0	0.0	19
20	0.0	0.0*	0.3	23	71	33	11	4.0	0.5	0.0	0.0	0.0	20
21	0.0	0.0	0.3	4.7	55	31	8.8	3.8	0.4	0.0	0.0	0.0	21
22	0.0	0.0	0.3	2.3	44	51	8.1	3.7	0.4	0.0	0.0	0.0	22
23	0.0	0.0	0.3	1.7*	38	49	7.5	3.4	0.4	0.0	0.0	0.0	23
24	0.0	0.0	0.2	1.5	44	38	6.9	3.2	0.3	0.0	0.0	0.0	24
25	0.0	0.0	0.2	1.1	42	35	7.1	3.4	0.3	0.0	0.0	0.0	25
26	0.0	0.0	0.2	1.0	46	32	7.3	3.3	0.2	0.0	0.0	0.0	26
27	0.0	0.0	0.2*	1.0	39	28	7.4	4.5	0.2	0.0	0.0	0.0	27
28	0.0	0.0	0.2	1.0	33	26	12	4.3	0.2	0.0	0.0	0.0	28
29	0.0	0.0	0.2	1.0		25	8.7	3.3	0.1	0.0	0.0	0.0	29
30	0.0	0.0	0.2	1.0		23	7.5	2.8	0.1	0.0	0.0	0.0	30
21	0.0		0.2	0.9		21		2.5		0.0	0.0		21
MEAN	0.0	0.0	0.4	1.5	138	59.8	11.2	4.8	1.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	2.8	23.0	932	320	21.0	6.7	2.3	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.1	0.2	0.7	21.0	6.9	2.5	0.1	0.0	0.0	0.0	MIN.
AC. FT.			26	89	7642	3675	669	294	59	1			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
17.2	1570	7.16	2	9	1520	0.0		10	1	0000	12460

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 25 14	119 52 25	SE10 6S 19E	3590E	8.67	4/ 3/58	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 15 ft. below Indian Peak Road Bridge, 6.7 mi. SE of Mariposa. Drainage area is 33.7 sq. mi.

TABLE 125

DAILY MEAN DISCHARGE

EAST FORK CHOWCHILLA RIVER NEAR AHWAHNEE

IN SECOND FEET

STATION NO	WATER YEAR
864400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	6.2	1.9	5.7	75	56	23	8.1	1.7	0.1	0.0	1
2	0.0	0.0	78	2.0	5.7	188	53	22	7.9	1.6	0.0	0.0	2
3	0.0*	0.0*	25	2.1	5.4	214	51	20	7.4	1.6	0.1	0.0	3
4	0.0	0.0	8.7*	2.1	4.6	190	50	19	7.3	1.3	0.1	0.0	4
5	0.0	0.0	6.6	2.0	4.0	191	51	19	7.1	1.2	0.1	0.0	5
6	0.0	0.0	5.1	1.6	4.5*	383 *	51	18	6.6	1.1	0.1	0.0	6
7	0.0	0.0	4.0	1.6	23	202	52	17	6.5	1.0	0.1	0.0	7
8	0.0	0.0	3.5	1.6	66 *	148	50	15	6.1	0.8	0.1	0.0	8
9	0.0	0.0	3.2	1.7*	845 #	134	48	14	6.1	0.7	0.1	0.0	9
10	0.0	0.0	3.0	1.7	1250 *	114	46	14	5.3	0.8	0.1	0.0	10
11	0.0	0.0	3.0	1.7	902	116	43	15	5.0	0.7	0.1	0.0	11
12	0.0	0.1	3.0	1.7	301	103	41	14	4.8	0.8	0.0	0.0	12
13	0.0	0.2	2.7	2.0	249	92	39	15	4.4	1.0	0.0	0.0	13
14	0.0	0.2*	2.4	2.1	237	87	37	17	5.1	1.0	0.0	0.0	14
15	0.0	0.2	2.4	2.0	689 *	82	36	16	7.1	0.9	0.0	0.0	15
16	0.0	0.2	2.6	1.9	508	77	34	19 *	7.4	0.8	0.0	0.0	16
17	0.0	0.3	2.5	1.9	228	70	31	17	6.0	0.7	0.0	0.0	17
18	0.0*	0.2	2.3	1.9	163	66	31	15	4.9	0.7*	0.0	0.0	18
19	0.0	0.2	2.6	3.4	147	62	29 *	14	3.9	0.6	0.0	0.0	19
20	0.0	1.8*	2.6	39	131	68	35	14	3.4*	0.4	0.0	0.0	20
21	0.0	5.8	2.6	15	113	58	31	12	3.0	0.4	0.0	0.1	21
22	0.0	2.9	2.6	8.8	103	88 *	28	10	2.7	0.4	0.0	0.0	22
23	0.0	1.6	2.2	6.5*	92	83	26	9.8	2.6	0.3	0.0	0.0	23
24	0.0	1.5	2.0	5.3	94	64	23	9.7	2.5	0.2	0.0	0.0	24
25	0.0	2.0	1.9	5.5	89	61	23	9.9	2.2	0.2	0.0	0.0	25
26	0.0	6.4	2.0	5.1	87	63	24	10	2.0	0.1	0.0	0.0	26
27	0.0	5.0	1.9	5.4	78	65	24	13	2.0	0.1	0.0	0.0	27
28	0.0	2.7	1.9	5.3	77	64	37	14	2.0	0.1	0.0	0.0	28
29	0.0	2.3	2.0	5.3		62	29	12	1.8	0.1	0.0	0.0	29
30	0.0	3.3	2.1	5.4		59	25	10	1.6	0.1	0.0	0.0	30
31	0.0		1.9	5.4		54		8.8		0.1	0.0		31
MEAN	0.0	1.2	6.2	4.8	232	109	37.8	14.7	4.8	0.7	0.0	0.0	MEAN
MAX.	0.0	6.4	78.0	39.0	1250	383	56.0	23.0	8.1	1.7	0.1	0.1	MAX.
MIN.	0.0	0.0	1.9	1.6	4.0	54.0	23.0	8.8	1.6	0.1	0.0	0.0	MIN.
AC. FT.		73	382	295	12900	6710	2249	905	283	43	2		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
32.9	2620 E	9.09	2	9	1540	0.0		10	1	0000	23840

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 20 09	119 48 59	SE 7 7S 20E	3290E	9.88	4/ 3/58	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 1.1 mi. above mouth, 5.5 mi. W of Ahwahnee. Drainage area 57.7 sq. mi.
Altitude of gage 980 ft. (from topographic map).

TABLE 126

DAILY MEAN DISCHARGE

STRIPED ROCK CREEK NEAR RAYMOND

IN SECOND FEET

STATION NO	WATER YEAR
864260	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.1	0.1	11	7.9	2.1	0.4	0.1	0.0	0.0	1
3	0.0	0.0	2.1	0.1	0.1	21	7.8	2.0	0.3	0.1	0.0	0.0	3
3	0.0*	0.0	0.3	0.1	0.1	15	7.0	2.2	0.3	0.0	0.0	0.0	3
4	0.0	0.0	0.1*	0.1	0.1	13	6.9	1.8	0.3	0.0	0.0	0.0	4
5	0.0	0.0	0.1	0.1	0.1	12	6.4	1.8	0.3	0.0	0.0	0.0	5
6	0.0	0.0	0.1	0.1	0.1*	97	5.8	1.5	0.3	0.0	0.0	0.0	6
7	0.0	0.0	0.1	0.1	4.2	51	5.7	1.5	0.2	0.0	0.0	0.0	7
8	0.0	0.0	0.1	0.1	14 *	27	5.7	1.3	0.1	0.0	0.0	0.0	8
9	0.0	0.0	0.1	0.1	231 E	24	5.5	1.2	0.1	0.0	0.0	0.0	9
10	0.0	0.0	0.1	0.1	420 E	18	5.5	1.2	0.1	0.0	0.0	0.0	10
11	0.0	0.0	0.1	0.1	299 #	18	5.2	1.2	0.1	0.0	0.0	0.0	11
13	0.0	0.0	0.1	0.2	72	16	5.1	1.2	0.1	0.0	0.0	0.0	12
13	0.0	0.0	0.1	0.1	125	14	4.8	1.4	0.1	0.0	0.0	0.0	13
14	0.0	0.0	0.1	0.1	94	14	4.7	1.5	0.2	0.0	0.0	0.0	14
15	0.0	0.0	0.1	0.1	212	13	4.4	1.6	0.3	0.0	0.0	0.0	15
16	0.0	0.0	0.1	0.1	143	13	4.7	1.6*	0.2	0.0	0.0	0.0	16
17	0.0	0.0	0.1	0.1	49	12	4.4	1.5	0.2	0.0	0.0	0.0	17
18	0.0*	0.0	0.1	0.1	32	12	3.8	1.2	0.1	0.0*	0.0	0.0	18
19	0.0	0.0	0.1	0.2	39	11	3.7*	1.1	0.1	0.0	0.0	0.0	19
20	0.0	0.0*	0.1	11	45	11	4.4	1.0	0.1*	0.0	0.0	0.0	30
31	0.0	0.0	0.1	1.7	22	11	3.7	0.8	0.1	0.0	0.0	0.0	31
22	0.0	0.0	0.2	1.0*	18	21 *	3.7	0.7	0.1	0.0	0.0	0.0	22
23	0.0	0.0	0.2	0.6	15	16	3.2	0.6	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.2	0.4	20	12	3.1	0.6	0.1	0.0	0.0	0.0	24
25	0.0	0.0	0.2	0.4	16	11	3.1	0.6	0.1	0.0	0.0	0.0	25
26	0.0	0.0	0.2	0.2	16	10	3.0	0.7	0.1	0.0	0.0	0.0	26
27	0.0	0.0	0.2*	0.2	13	9.8	2.9	0.9	0.1	0.0	0.0	0.0	27
28	0.0	0.0	0.1	0.2	12	9.6	3.5	1.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.2	0.2		9.3	2.8	0.7	0.1	0.0	0.0	0.0	29
30	0.0	0.0	0.2	0.2		8.6	2.2	0.6	0.1	0.0	0.0	0.0	30
31	0.0		0.1	0.1		8.2		0.4		0.0	0.0		31
MEAN	0.0	0.0	0.2	0.6	68.3	17.7	4.7	1.2	0.2	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	2.1	11.0	420 E	97.0	7.9	2.2	0.4	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.1	0.1	8.2	2.2	0.4	0.0	0.0	0.0	0.0	MIN.
AC. FT.			12	36	3792	1090	279	74	9				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
7.3	675 E	6.87	2	10	2110	0.0		10	1	0000	5293

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 20 27	119 53 35	NE 9 7S 19E	1180E	8.87	4/ 3/58	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 8.7 mi. N of Raymond, 11 mi. SE of Mariposa. Tributary to Chowchilla River. Drainage area is 17.1 sq. mi.

TABLE 127

DAILY MEAN DISCHARGE

CHOWCHILLA RIVER NEAR RAYMOND

IN SECOND FEET

STATION NO	WATER YEAR
864200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	193	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	NR	215 •	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	NR	324	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	NR	210	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	204	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	754 •	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	101	806	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	258	409	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	1980 #	343	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	4500 #	293	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	3040	274	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	1010	265	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	638	238	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	946	225	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	2130 •	218	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	1770	214	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	694	208	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	459	200	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	430	192	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	394	191	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	307	191	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	251	213	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	229	293	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	225	212	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	225	199	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	222	195 E	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	212	186 E	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	198	176 E	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		166 E	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		158 E	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		149 E		NR		NR	NR		31
MEAN	NR	NR	NR	NR	NR	262	NR	NR	NR	NR	NR	NR	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	NR	NR	NR	NR	NR	16090	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR											

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 15 36	119 56 42	SE 1 8S 22E	5570	81.53	2/10/62	NOV 59-DATE	NOV 59-DATE	1959		0.00	USCOS

Station located 6.0 mi. NW of Raymond on Raymond Road. Elevation of station is approximately 600 ft. USCGS datum. This station was installed in cooperation with Madera County and Chowchilla Water District. It is a flood control warning station, equipped with a Stevens Surface Detector and Telemark. Low flows are not recorded. Prior to 1962, high flow records were insufficient for publication. Discharge measurements and partial records are available in DWR files for period prior to 1962 water year. Add 500 ft. to gage heights to obtain elevations.

TABLE 128

DAILY MEAN DISCHARGE

MARIPOSA CREEK NEAR CATHAY

IN SECOND FEET

STATION NO	WATER YEAR
862400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.7	4.0	49	18	5.5	1.6	0.1	0.0	0.0	1
2	0.0	0.0	20	0.7	3.9	120	17	4.9	1.4	0.0	0.0	0.0	2
3	0.0*	0.0*	18	0.7	3.6	126	16	4.5	1.2	0.0	0.0	0.0	3
4	0.0	0.0	4.9	0.7	3.4	83	15	4.3	1.0	0.0	0.0	0.0	4
5	0.0	0.0	2.6	0.6	3.3	71	14	4.0	1.0	0.0	0.0	0.0	5
6	0.0	0.0	1.9	0.6	3.0	700	14	3.8	1.0	0.0	0.0	0.0	6
7	0.0	0.0	1.6*	0.6	11	378	13	3.7	0.8	0.0	0.0	0.0	7
8	0.0	0.0	1.5	0.7	150 *	184	13	3.4	0.9	0.0	0.0	0.0	8
9	0.0	0.0	1.4	0.7	1490 #	133	12	3.2	0.7	0.0	0.0	0.0	9
10	0.0	0.0	1.3	0.7	1750	99	11	3.3	0.6	0.0	0.0	0.0	10
11	0.0	0.0	1.1	0.6	1280 *	85	10	3.6	0.6	0.0	0.0	0.0	11
12	0.0	0.0	0.9	0.8	318	72	9.9	3.6	0.5	0.0	0.0	0.0	12
13	0.0	0.0	0.9	1.1	356 *	62	9.7	3.8	0.4	0.0	0.0	0.0	13
14	0.0	0.0	0.9	0.9	381	54	8.8	3.9	0.5	0.0	0.0	0.0	14
15	0.0	0.0	0.8	0.8	1020	47	8.3	4.1*	0.6	0.0	0.0	0.0	15
16	0.0	0.0	0.9	0.8	669	45	8.2	4.3	0.6	0.0	0.0	0.0	16
17	0.0	0.0	0.9	0.8	271	38	7.8	4.0	0.6	0.0	0.0	0.0	17
18	0.0*	0.0	0.8	0.7	159	35	7.4	3.6	0.7	0.0	0.0	0.0	18
19	0.0	0.0	0.9	1.1	200	30	7.5*	3.2	0.5	0.0	0.0	0.0	19
20	0.0	0.0	0.9	101	263	31	8.5	3.0	0.4*	0.0	0.0	0.0	20
21	0.0	0.0	0.9	31	144	31	7.7	2.7	0.3	0.0	0.0	0.0	21
22	0.0	0.0	0.9	15 *	107	37 *	7.1	2.5	0.2	0.0	0.0	0.0	22
23	0.0	0.0	0.9	10	84	40	6.5	2.4	0.1	0.0	0.0	0.0	23
24	0.0	0.0	0.8	7.9	87	29	6.1	2.3	0.1	0.0	0.0	0.0	24
25	0.0	0.0	0.7	6.6	73	27	6.2	2.2	0.1	0.0	0.0	0.0	25
26	0.0	0.0	0.7	5.9	74	25	5.9	2.4	0.1	0.0	0.0	0.0	26
27	0.0	0.0	0.7*	5.1	64	25	6.4	2.6	0.1	0.0	0.0	0.0	27
28	0.0	0.0	0.8	4.6	55	23	8.0	2.7	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.7	4.3		21	6.6	2.5	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.7	4.0		19	5.8	2.2	0.0	0.0	0.0	0.0	30
31	0.0		0.7	3.5		18		1.9		0.0	0.0		31
MEAN	0.0	0.0	2.3	6.9	322	88.3	9.8	3.4	0.6	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	20.0	101	1750	700	18.0	5.5	1.6	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.6	3.0	18.0	5.8	1.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.			140	423	17910	5429	586	206	33				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
34.1	3840 E	10.39	2	9	1530	0.0		10	1	0000	24720

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 23 55	120 00 10	NE21 6S 18E	4530E	11.62	4/ 3/58	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located at highway bridge, 5.6 mi. E of Cathay School. Tributary to San Joaquin River. Drainage area is 65.7 sq. mi.

TABLE 129

DAILY MEAN DISCHARGE

MARIPOSA CREEK BELOW MARIPOSA RESERVOIR

IN SECOND FEET

STATION NO	WATER YEAR
862100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2	60	11	5	1	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	2	58	11	5	1	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	2	155	10	4	1	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	2	124	10	4	1	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	2	93	9	4	1	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	2	270	9	4	1	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	3	567	8	4	1	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	3	478	9	3	0.9	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	318	300	8	3	0.7	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	796	162	8	3	0.7	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	941	102	8	3	0.6	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	950	82	8	2	0.6	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	905	60	8	2	0.5	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	887	48	7	2	0.5	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	887	40	7	2	0.5	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	914	36	6	3	0.4	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	869	33	6	3	0.3	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	788	27	6	3	0.1	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	686	22	6	3	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	609	19	6	3	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	484	19	6	3	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	2	310	19	6	3	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	6	158	27	6	2	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	6	114	24	5	2	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	5	114	19	5	2	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	4	114	18	5	2	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	3	90	15	5	2	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	3	72	15	5	2	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	2		15	6	2	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	2		13	6	2	0.0	0.0	0.0	0.0	30
31	0.0		0.0	2		12		1		0.0	0.0		31
MEAN	0.0	0.0	0.0	1.0	394	95.0	7.2	2.8	0.4	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	6.0	950	567	11.0	5.0	1.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	2.0	12.0	5.0	1.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	69	21866	5816	428	175	25	0.0	0.0	0.0	AC. FT.

e — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
39	970		2	12		0.0					28379

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 16 52	120 09 45	NE36 7S 16E	6020		12/24/55	NOV 52-DATE	NOV 52-DATE	1952		337.63	USCGS

Station located 1.5 mi. below Mariposa Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Mariposa Reservoir. Records furn. by U.S.C.E. Drainage area is 108 sq. mi.

TABLE 130

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER ABOVE SAND SLOUGH NEAR EL NIDO
IN SECOND FEET

STATION NO	WATER YEAR
807575	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	172	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	125	0.0	126	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	140	0.0	103	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	134	0.0	146	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	112	0.0	151	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	94	0.0	102	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	82	0.0	163	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	77	0.0	891 *	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	72	0.0	772	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	66	0.0	528	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	32	443	369	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	1920 *	269	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	1750	241	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	1300	198	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1180 *	186	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	1280	267	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	1570	196	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	1390	122	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	1010	125	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	739 *	112	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	695	93	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	558	80	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	371	75	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	273	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	263 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	232	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
21	0.0		0.0	0.0		0.0		0.0		0.0	0.0		21
MEAN	0.0	0.0	0.0	30.1	551	177	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	140	1920	891	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.				1853	30600	10880							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
59.9	2110	106.55	2	12	0700	0.0					43340

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 06 36	120 35 24	NE31 9S 13E	2110	106.55	2/12/62	OCT 61-DATE		1961		0.00	USCOS

Station located 5 mi. NW of Santa Rita Bridge and 5 mi. W of El Nido. Flows sometimes affected by operation of control structures below station. During this period flows are not computed.

TABLE 131

DAILY MEAN DISCHARGE

MARIPOSA BYPASS NEAR CRANE RANCH

IN SECOND FEET

STATION NO.	WATER YEAR
B00420	1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12					1154 **								12
13					1834 **								13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.													AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
# - E and *
** - Result of discharge measurement.

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 12 00	130 41 50	NW31 8S 11E						1962		0.00	USCOS

This station was installed in January 1962 for the Lower San Joaquin Flood Control Project. The main function of this station is to house the float for the electrically operated control gates. It is owned and will be operated by D.W.R. This station has not been activated to date. Two current meter measurements have been made. Those measurements were made on 2/12/62 and 2/13/62 and the results of these measurements are shown in above table.

TABLE 132

DAILY MEAN DISCHARGE

OWENS CREEK BELOW OWENS RESERVOIR

IN SECOND FEET

STATION NO	WATER YEAR
806170	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	10	4	1.1	0.5	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	15	4	1.0	0.5	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	17	3	1.0	0.5	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	8	3	0.9	0.5	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	8	3	0.8	0.5	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	55	3	0.8	0.5	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	72	3	0.6	0.4	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	4	53	3	0.5	0.4	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	59	26	3	0.5	0.3	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	114	20	2	0.5	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	143	18	2	0.5	0.2	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	148	17	2	0.5	0.2	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	140	15	2	0.5	0.1	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	137	12	2	0.5	0.1	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	134	10	2	0.5	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	134	10	1.9	0.5	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	126	10	1.9	0.5	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	114	9	1.9	0.5	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	114	8	1.9	0.5	0.0	0.0	0.0	0.0	19
30	0.0	0.0	0.0	0.7	100	8	2	0.5	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	2.5	87	8	2	0.5	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.7	38	8	2	0.5	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.5	20	8	1.6	0.5	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.3	21	8	1.5	0.5	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.3	15	8	1.4	0.5	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.2	13	7	1.3	0.5	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.1	10	7	1.2	0.5	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.1	11	6	1.2	0.5	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.1		6	1.2	0.5	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.1		5	1.2	0.5	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.1		4		0.5		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.2	60.0	15.0	2.1	0.6	0.2	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	2.5	148	72.0	4.0	1.1	0.5	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	4.0	1.2	0.5	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	11.3	3332	944	129	36.1	9.9	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.2	148		2	12		0.0					4463

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 18 28	120 11 35	SW23 7S 16E	590		12/24/55	FEB 50-DATE	FEB 50-DATE	1950		338.22	USCOS

Station located 0.25 mi. below Owens Dam. Tributary to San Joaquin River via Mariposa Creek and Bear Creek. Flow regulated by Owens Reservoir. Records furn. by U.S.C.E. Drainage area is 25.6 sq. mi.

TABLE 133

DAILY MEAN DISCHARGE

BEAR CREEK NEAR CATHAY

IN SECOND FEET

STATION NO	WATER YEAR
855400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.3	1.2	12	4.7	0.8	0.0	0.0	0.0	0.0	1
2	0.0	0.0	3.4	0.3	1.1	99 *	4.3	0.7	0.0	0.0	0.0	0.0	2
3	0.0	0.0*	3.6	0.3	1.3	65	3.9	0.6	0.0	0.0	0.0	0.0	3
4	0.0	0.0	1.3	0.3	1.2	32	3.6	0.6	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.9	0.2	0.9	24	3.3	0.5	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.7	0.2	0.8*	423	3.2	0.5	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.5*	0.2	1.6	136	2.9	0.5	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.4	0.2	71 *	57	2.4	0.5	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.3	0.2	751 E	36	2.4	0.4	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.2	0.2	821 *	24	2.3	0.4	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.3	0.1	608	19	2.0	0.4	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.5	0.2	127	16	2.0	0.4	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.5	0.3	179 *	13	1.8	0.3	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.5	0.2	174	11	1.5	0.3	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.5	0.1	541	9.8	1.3	0.3*	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.5	0.2	364	9.0	1.2	0.4	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.5	0.3	106	7.9	1.1	0.4	0.0	0.0	0.0	0.0	17
18	0.0*	0.0	0.5	0.3	58	7.1	1.0	0.3	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.6	0.5	135	6.4	1.0*	0.3	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.5	16	209	6.9	1.3	0.3	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.6	18	74	7.6	1.3	0.4	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.6	7.5*	41	8.4*	1.1	0.4	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.5	5.7	26	22	1.0	0.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.5	4.7	25	14	0.9	0.2	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.5	3.6	22	11	0.9	0.3	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.4	3.0	22	8.8	0.8	0.3	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.5	2.3	18	7.7	0.8	0.3	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.4	1.9	14	6.8	1.2	0.2	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.4	1.7		6.2	1.3	0.2	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.5	1.5		5.5	1.0	0.1	0.0	0.0	0.0	0.0	30
31	0.0		0.4	1.5		5.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.7	2.3	157	36.0	1.9	0.4	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	3.6	18.0	821	423	4.7	0.8	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.1	0.8	5.0	0.8	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			43	143	8716	2216	114	23					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.5	2260 E	8.46	2	9	1230	0.0		10	1	0000	11230

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 28 38	120 06 43	SW21 5S 17E	2570E	9.36	4/ 3/58	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at highway bridge, 3.7 mi. N of Cathay School. Tributary to San Joaquin River. Drainage area is 24.9 sq. mi.

TABLE 134

DAILY MEAN DISCHARGE

BEAR CREEK BELOW BEAR RESERVOIR

IN SECOND FEET

STATION NO	WATER YEAR
805570	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2	31	8	3	0.2	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	2	46	7	3	0.2	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	2	163	6	3	0.2	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	2	74	6	3	0.1	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	2	54	5	2	0.1	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	2	550	5	2	0.1	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	2	326	4	2	0.1	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	3	135	4	2	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	532	93	4	2	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	1090	69	4	1	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	1240	53	4	1	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	776	46	4	1	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	183	36	4	1	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	377	30	4	1	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	625	26	4	1	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	745	24	5	1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	307	24	6	1	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	140	22	6	1	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	168	20	4	1	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	338	16	5	0.8	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	2	181	16	5	0.7	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	16	100	16	4	0.7	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	7	70	26	4	0.6	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	4	54	32	4	0.5	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	3	58	24	3	0.4	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	3	50	18	3	0.4	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	3	43	16	3	0.4	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	2	36	14	3	0.6	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	2		12	3	0.5	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	2		10	3	0.4	0.0	0.0	0.0	0.0	30
31	0.0		0.0	2		9		0.2		0.0	0.0		31
MEAN	0.0	0.0	0.0	1.5	255	66.0	4.4	1.2	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	16	1240	550	8.0	3.0	0.2	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	2.0	9.0	3.0	0.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	91	14142	4028	266	76	2.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
26	1300		2	11		0.0					18605

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M 0.8 & M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 21 27	120 14 05	NE 5 7S 16E	4460		12/24/55	JAN 55-DATE	JAN 55-DATE	1955		320.50	USCOS

Station located approx. 0.75 mi. below Bear Dam. Tributary to San Joaquin River. Flow regulated by Bear Reservoir. Records furn. by U.S.C.E. Drainage area is 72 sq. mi.

TABLE 135

DAILY MEAN DISCHARGE

BURNS CREEK AT HORNITOS

IN SECOND FEET

STATION NO	WATER YEAR
B56400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.3	0.0	0.1	5.5	2.4	0.5	0.3	0.0	0.0	0.0	1
2	0.0	0.0	1.1	0.0	0.1	58 *	2.4	0.5	0.3	0.0	0.0	0.0	2
3	0.0*	0.0*	0.3	0.0	0.1	14	2.4	0.4	0.3	0.0	0.0	0.0	3
4	0.0	0.0	0.2	0.0	0.1	8.3	2.1	0.4	0.3	0.0	0.0	0.0	4
5	0.0	0.0	0.1	0.0	0.1	7.8	2.1	0.4	0.3	0.0	0.0	0.0	5
6	0.0	0.0	0.1	0.0	0.2	269 #	2.0	0.4	0.2	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.7	39	1.8	0.4*	0.2	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	8.7*	21	1.6	0.4	0.1	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	263	15	1.6	0.4	0.1	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	425 *	11	1.3	0.3	0.1	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	334 E	9.6	1.3	0.3	0.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	81	8.4	1.2	0.4	0.1	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	148	6.7	1.1	0.4	0.1	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	99	5.8	1.1	0.3	0.1	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	933 E	5.8	1.0	0.4	0.1	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	239 E	5.7	1.0	0.4	0.2	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	68	5.2	0.8	0.4	0.2	0.0	0.0	0.0	17
18	0.0*	0.0	0.0	0.0	99	4.8	0.7	0.4	0.2	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	95	4.3	0.9	0.3	0.2	0.0	0.0	0.0	19
20	0.0	0.0*	0.0	4.4	62	4.3	1.4	0.3	0.1*	0.0	0.0	0.0	20
21	0.0	0.0	0.0	1.1	30	4.8	1.0	0.3	0.1	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.7*	18	15 *	0.9	0.3	0.1	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.6	15	11	0.9	0.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.5	16	5.5	0.9	0.3	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.2	11	4.2	0.9	0.3	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.1	13	3.6	0.9	0.3	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.1	7.6	3.3	0.8	0.3	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.1	6.5	3.1	0.6	0.3	0.0	0.0	0.0	0.0	28
29	0.0	0.1	0.0	0.1		3.1	0.8	0.3	0.0	0.0	0.0	0.0	29
30	0.0	0.1*	0.0	0.1		2.9	0.7	0.3	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.1		2.6		0.3		0.0	0.0		31
MEAN	0.0	0.0	0.1	0.3	106	18.3	1.3	0.4	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	0.1	1.1	4.4	933 E	269 E	2.4	0.5	0.3	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.1	2.6	0.7	0.3	0.0	0.0	0.0	0.0	MIN.
AC. FT.			4	16	5897	1127	77	22	8				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9.9	4340 E	10.66	2	15	0530	0.0		10	1	0000	7151

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 29 42	120 14 17	SE17 5S 16E	4340E	10.66	2/15/62	DEC 58-DATE	DEC 58-DATE	1958		0.00	LOCAL

Station located 130 ft. S of Stockton-Maripoaa Road, 0.2 mi. SW of Hornitos. Drainage area is 26.7 sq. mi.
Maximum discharge from alope-area measurement.

TABLE 136

DAILY MEAN DISCHARGE

BURNS CREEK BELOW BURNS RESERVOIR

IN SECOND FEET

STATION NO	WATER YEAR
B56100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.2	25	6	0.7	0.0	0.0	0.0	0.0	1
2	0.0	0.0	40	0.0	0.2	100	5	0.6	0.0	0.0	0.0	0.0	2
3	0.0	0.0	1.0	0.0	0.2	115	5	0.5	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.4	0.0	0.2	46	5	0.4	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.4	0.0	0.2	37	4	0.3	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.3	0.0	0.2	668	3.9	0.2	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.3	0.0	1.0	190	3.7	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.2	0.0	20	94	3.6	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.2	0.0	299	67	3.1	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.1	0.0	942	49	3.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.1	0.0	1380	43	2.8	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	533	35	2.5	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	292	28	2.3	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	343	24	2.1	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1360	20	1.9	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	1610	17	1.8	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	552	16	1.7	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	241	14	1.6	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	337	12	1.5	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	37	230	11	1.5	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	1.5	217	11	1.5	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	1.0	92	11	1.5	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.5	66	20	1.4	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.4	56	14	1.3	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.4	52	11	1.2	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.3	72	10	1.1	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.3	48	9	1.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.3	32	8	1.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.3		7	0.9	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.2		6	0.8	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.2		6		0.0		0.0	0.0		31
MEAN	0.0	0.0	1.4	1.4	313	56.0	2.5	0.1	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	40.0	37.0	1610	668	6.0	0.7	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.2	6.0	0.8	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	85	84	17407	3420	146	5	0.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
29	1750		2	15		0.0					21147

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 22 27	120 16 35	NE36 6S 15E	2590		12/24/55	APR 50-DATE	APR 50-DATE	1950		260.60	USCGS

Station located 0.5 mi. below Burns Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Burns Reservoir. Records furn. by U.S.C.E. Drainage area is 73.8 sq. mi.

TABLE 137

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER NEAR STEVINSON

IN SECOND FEET

STATION NO	WATER YEAR
807400	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23	7.9	6.4	2.9	15	530	111	54	100	35	44	42	1
2	22	6.8	8.8	3.2	13	447	109	55	87	47	47	41	2
3	23	6.3	13	2.7	12	381	108	53	86	57	48	36	3
4	27	5.6	11	2.4	13	475	99	51	82	53	40	43	4
5	28	5.9	7.2	2.3	16	455	92	52	75	46	47	47	5
6	21	5.8	6.4	16	18	444	90	48	61	41	54	47	6
7	15	5.3	5.7	55	20	906	83	47	50	36	58	39	7
8	11	5.0	5.1	65	20	1670	76	52	48	36	61	42	8
9	15	4.8	5.0	63	60	2080	73	53	49	35	57	52	9
10	13	6.6	4.4	56	344	1760	82	52	48	39	48	55	10
11	12	6.0	3.6	49	1460 •	1240	81	49	50	38	46	49	11
12	11	5.5	3.5	43	3480	891	77	50	49	38	59	52	12
13	11	5.9•	3.5	36	4890 •	679	74 •	51	51	31	59	52	13
14	10	4.8	3.6•	33	4750	535	62	57	54	35	43	46	14
15	9.7	4.2	3.6	29	4490	432	59	82	57	42	42	43	15
16	9.5•	3.9	3.5	23	4950	350	60	78	54	50	45	46	16
17	9.5	3.5	3.3	20	5940	267	64	66	51	58	36 •	48	17
18	9.3	3.5	3.5	16 •	5780	231	66	68	47	56	34	47	18
19	8.8	3.6	3.9	15	4950	211	64	83	48	47	36	48 •	19
20	7.5	5.8	3.2	16	3970 •	191	60	87	46	44 •	42	45	20
21	7.0	5.4	2.9	30	3210	175 •	57	90	44 •	38	50	41	21
22	6.7	5.1	2.7	34	2720	161	55	90 •	40	38	48	36	22
23	7.0	4.5	2.5	26	2030	141	53	89	35	40	41	34	23
24	7.5	4.6	2.7	23	1390	128	52	85	32	37	43	32	24
25	7.5	6.1	2.6	17	953	124	53	92	31	35	45	27	25
26	7.2	6.9	2.5	13.	725 •	127	57	93	31	33	42	24	26
27	6.6	8.4	2.6	20	625	144	59 •	91	34	31	44	22	27
28	6.0	6.1	2.8	21	589	154	52	93	34	29	47	25	28
29	9.3	6.5	2.8	17		143	53	113	32	27	52	23	29
30	11	5.1	2.7	18		129	56	109	31	27	48	22	30
31	8.9		2.8	17		113		107		35	43		31
MEAN	12.3	5.5	4.4	25.3	2051	507	71.2	72.3	51.2	39.6	46.7	40.3	MEAN
MAX.	28.0	8.4	13.0	65.0	5940	2080	111	113	100	58.0	61.0	55.0	MAX.
MIN.	6.0	3.5	2.5	2.3	12.0	113	52.0	47.0	31.0	27.0	34.0	22.0	MIN.
AC. FT.	758	328	273	1556	113900	31170	4239	4443	3049	2448	2874	2396	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
231	6060	73.04	2	17	2130	2.2	60.46	1	4	1900	167400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 17 42	120 51 00	26 7S 10E	6060	73.04	2/17/62	OCT 61-DATE	MAY 61-DATE	1961		0.00	USCGS

Station located on bridge 2.3 miles south of Stevinson on Lander Avenue

TABLE 138

DAILY MEAN DISCHARGE

NORTH FORK MERCED RIVER NEAR COULTERVILLE

IN SECOND FEET

STATION NO	WATER YEAR
852600	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.1	1.3	0.4	1.4	14 *	16	3.6	1.8	0.6	0.3	0.3	1
3	0.2	0.1	51	0.5	1.4	21 *	15	3.5	1.8	0.6	0.3	0.3	3
3	0.1	0.2	15	0.5	1.3	22	13	3.4	1.8	0.6*	0.2*	0.3	3
4	0.1	0.2	23	0.4	1.1	22	12	3.3	1.6	0.6	0.2	0.3	4
5	0.2	0.2	2.1*	0.4	1.1	26	10	3.2	1.5	0.5	0.2	0.2	5
6	0.2	0.2	0.6E	0.5	1.2	228 *	9.3	3.2	1.5	0.5	0.2	0.2	6
7	0.2	0.1	0.6E	0.5	24	169	8.6	3.0*	1.5*	0.4	0.2	0.3	7
8	0.2	0.1	0.6E	0.5	60	115 *	7.7	2.9	1.5	0.4	0.2	0.2	8
9	0.2	0.1	0.6E	0.5	499 *	49	7.1*	2.9	1.5	0.3	0.2	0.2	9
10	0.1	0.1	0.6E	0.9	691	39	6.8	2.8	1.3	0.3	0.3	0.2	10
11	0.1	0.1	0.6E	0.8	447 *	35	6.3	2.9	1.3	0.3	0.3	0.2	11
13	0.1	0.1	0.6E	0.7	157	29	6.0	3.0	1.3	0.4	0.3	0.1	13
13	0.1	0.1	0.6E	1.1	88 *	25	5.8	2.9	1.2	0.3	0.4	0.2	13
14	0.1	0.1*	0.6E	0.9	114	23	5.7	3.3	1.3	0.3	0.3	0.2	14
15	0.2	0.2	0.6E	1.0	571 E	22	5.7	3.1	1.7	0.2	0.4	0.1	15
16	0.1	0.1	0.6E	1.2	189	21	5.3	3.4	1.7	0.1	0.1	0.2	16
17	0.1*	0.2	0.6E	1.1	70	20	5.1	2.9	1.4	0.4	0.1	0.1	17
18	0.1	0.1	0.6E	1.1	42	19	4.9	2.9	1.2	0.5	0.2	0.2*	18
19	0.1	0.1	0.6E	4.6	33	18	5.4	2.6	1.1	0.5	0.2	0.3	19
20	0.1	0.3	0.6E	35	32	19	6.2	2.5	1.0	0.4	0.2*	0.2	20
21	0.2	0.3	0.6E	4.9	28	17	5.4	2.4	0.9	0.5	0.3	0.3	21
23	0.2	0.2	0.6E	2.5*	24	26	5.1	2.3	0.9	0.5	0.3	0.3	23
23	0.2	0.2	0.6E	1.8	20	26	4.8	2.3	0.9	0.4	0.4	0.3	23
24	0.2	0.2	0.6E	1.6	19	24	4.5	2.2	0.9	0.4	0.4	0.2	24
25	0.1	0.7	0.6E	1.7	17	24	4.7	2.2	0.8	0.4	0.4	0.2	25
26	0.1	2.7	0.6E	2.1	16	23	4.3	2.2	0.8	0.4	0.3	0.5	26
27	0.1	0.8	0.6*	2.2	14	21	4.4	2.3	0.6	0.3	0.1	0.5	27
28	0.2	0.4	0.6	2.3	14	19	5.6	2.3	0.5	0.3	0.1	0.5	28
29	0.1	0.8*	0.7	2.4		16	4.7	2.2	0.5	0.3	0.1	0.4	29
30	0.1	0.4	0.7	2.5		14	4.2	2.1	0.6	0.4	0.2	0.3	30
31	0.1		0.6	2.5		13		1.9		0.3	0.3		31
MEAN	0.1	0.3	3.5	2.6	113	37.4	7.0	2.8	1.2	0.4	0.2	0.3	MEAN
MAX.	0.2	2.7	51.0	35.0	691	228	16.0	3.6	1.8	0.6	0.4	0.5	MAX.
MIN.	0.1	0.1	0.6E	0.4	1.1	13.0	4.2	1.9	0.5	0.1	0.1	0.1	MIN.
AC. FT.	9	19	215	157	6300	2299	416	170	72	25	15	15	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
13.4	1360E	7.02	2	15	0650	NR					9712

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 44 51	120 02 12	NW19 2S 18E	1360E	7.02	2/15/62	DEC 58-DATE		1958		0.00	LOCAL

Station located 40 ft. above Greeley Hill Road Bridge, 9 mi. NE of Coulterville. Drainage area is 30.3 sq. mi.

TABLE 139

DAILY MEAN DISCHARGE

NAXWELL CREEK AT COULTERVILLE

IN SECOND FEET

STATION NO	WATER YEAR
851250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.2	0.2	0.4	5.4	3.4	1.2	0.3	0.1	0.0	0.0	1
2	0.0	0.0	6.6	0.2	0.4	49 *	3.5	1.1	0.3	0.0	0.0	0.0	2
3	0.0*	0.0	3.4	0.2	0.4	29	3.4	1.1	0.3	0.0*	0.0	0.0	3
4	0.0	0.0	1.2	0.2	0.4	16	3.2	1.1	0.3*	0.0	0.0	0.0	4
5	0.0	0.0	0.6	0.2	0.4	13	2.8	0.9	0.3	0.0	0.0	0.0	5
6	0.0	0.0	0.7	0.3	0.4*	180 *	2.8	0.8	0.3	0.0	0.0	0.0	6
7	0.0	0.0	0.5	0.2	3.5	66	2.9	0.6*	0.3*	0.0	0.0	0.0	7
8	0.0	0.0	0.4	0.2	12	32	2.7	0.4	0.4	0.0	0.0	0.0	8
9	0.0	0.0	0.3	0.2*	116 *	19	2.4*	0.4	0.3	0.0	0.0	0.0	9
10	0.0	0.0	0.2	0.2	194	12	2.5	0.4	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.2	0.2	199	13	2.4	0.5	0.2	0.0	0.0	0.0	11
12	0.0	0.0	0.2	0.2	44	11	2.4	0.4	0.3	0.0	0.0	0.0	12
13	0.0	0.0	0.2	0.2	95 *	9.1	2.3	0.4	0.2	0.0	0.0	0.0	13
14	0.0	0.0*	0.1*	0.2	72	8.0	2.0	0.5	0.2	0.0	0.0	0.0	14
15	0.0	0.0	0.1	0.2	358	6.7	2.0	0.6	0.2	0.0	0.0	0.0	15
16	0.0	0.0	0.1	0.2	151	5.6	1.7	0.5	0.2	0.0	0.0	0.0	16
17	0.0*	0.0*	0.2	0.2	55	4.6	1.5	0.5	0.1	0.0	0.0	0.0	17
18	0.0	0.0	0.2	0.2	39	4.0	1.6	0.5	0.1	0.0	0.0	0.0	18
19	0.0	0.0	0.2	0.3	55	3.9	2.0	0.4	0.1	0.0	0.0	0.0	19
20	0.0	0.2*	0.1	4.6	76	4.0	2.4	0.4	0.1	0.0	0.0	0.0	20
21	0.0	0.1	0.2	2.7	48	3.6	1.9	0.4	0.1	0.0	0.0	0.0	21
22	0.0	0.0	0.2	1.6	29	7.7	1.7	0.4	0.1	0.0	0.0	0.0	22
23	0.0	0.0	0.2	1.0	20	9.2	1.5	0.4	0.1	0.0	0.0	0.0	23
24	0.0	0.0	0.1	0.8	18	7.6	1.6	0.3	0.1	0.0	0.0	0.0	24
25	0.0	0.2	0.1	0.8	16	6.7	1.6	0.4	0.1	0.0	0.0	0.0	25
26	0.0	0.2	0.1	0.7	14	6.1	1.6	0.4	0.1	0.0	0.0	0.0	26
27	0.0	0.0	0.1	0.5	12	5.3	1.5	0.5	0.1	0.0	0.0	0.0	27
28	0.0	0.0	0.1	0.5	11	5.3	2.0	0.5	0.1	0.0	0.0	0.0	28
29	0.0	0.1	0.2	0.5		4.7	1.7	0.4	0.1	0.0	0.0	0.0	29
30	0.0	0.1	0.1	0.4		4.2	1.5	0.3	0.1	0.0	0.0	0.0	30
31	0.0		0.1	0.5		4.0		0.2		0.0	0.0		31
MEAN	0.0	0.0	0.6	0.6	58.6	17.9	2.2	0.5	0.2	0.0	0.0	0.0	MEAN
MAX.	0.0	0.2	6.6	4.6	358	180	3.5	1.2	0.4	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.1	0.2	0.4	3.6	1.5	0.2	0.1	0.0	0.0	0.0	MIN.
AC. FT.		2	34	37	3253	1102	132	34	12				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
6.4	797	5.64	2	15	0410	0.0		10	1	0000	4605

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 42 58	120 11 20	SE34 2S 16E	956E	5.73	2/ 8/60	DEC 58-DATE		1958		0.00	LOCAL

Station located below Dogtown Road Bridge, 0.5 mi. NE of Coulterville. Tributary to Merced River.
Drainage area is 17.3 sq. mi.

TABLE 140

DAILY MEAN DISCHARGE

MERCED RIVER BELOW SNELLING

IN SECOND FEET

STATION NO	WATER YEAR
805170	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.2	14	14	17	21	1140	379	54	717	146	106	67	1
2	5.0	19	39	18	21	1440	243	54	1470	164	106	69	2
3	4.9	18	30	20	18	1200	150	54	2740	165	102	71	3
4	5.4	15	25	20	18	1210	140	61	2970	136	102	72	4
5	4.8	15	17	17	19	1200	136	68	1700	128	101	70	5
6	3.4	16	18	13	19	1620	136	197	1720	104	101	76	6
7	3.5	16	18	13	26	1280	136	2470	2090	96	96	73	7
8	3.6	15	17	14	35	1100	138	3810	2260	92	106	67	8
9	4.0	15	16	13	200	1200	127	3820 #	2480	91	101	66	9
10	4.5	13	16	15	406	1150	119	3540	2770	92	92	62	10
11	5.5	11	16	20	587 *	1180	112	2060	2730 *	95	92	68	11
12	6.2	11	16	16	177	1180	111	1930	2280	88	89	70	12
13	7.1	11	15	12	129	1180	111	988	2110	101	217	68	13
14	5.7	11	14 *	11	155	1150	112	415	1670	89	111	67	14
15	5.9	11 *	14	11	1800	1140	98	712	1620	89	95	49	15
16	6.7*	11	12	11	1450 *	1160	89	322	919	81	93 *	48	16
17	8.1	11	11	11 *	1260	1140	112 *	282	831	75 *	94	48	17
18	14	10	13	12	1260	1190	114	595	1050	69	92	44	18
19	16	7.3	17	13	1290	1190	93	472	1380	73	91	44	19
20	19	12	17	76	1260	1170	92	276	1810	82	89	45 *	20
21	18	13	17	40	1290	1120 *	90	284	1740	85	90	48	21
22	17	11	16	31	1240	1170	84	282	1540 *	87	92	49	22
23	16	11	16	26	1230	1160	83	552	1330	93	90	52	23
24	12	9.9	15	24	1210	1150	81	714	984	93	90	49	24
25	12	12	15	22	1170	1170	78	704	651	97	93	48	25
26	12	17	16	22	1180	911	60	511	535	99	98	36	26
27	12	13	16	22	1140	589	57	282	442	97	104	37	27
28	12	12	16	19	1150	658	57	265	335	99	99	53	28
29	13	28	16	21		643	56	204 *	206	92	100	79	29
30	14	24	16	22		588	59	298	133	95	91	87	30
31	14		16	22		491		703		94	69		31
MEAN	9.3	13.8	17.1	20.1	706	1093	115	870	1507	99.6	99.7	59.4	MEAN
MAX.	19.0	28.0	39.0	76.0	1800	1620	379	3820 E	2970	165	217	87.0	MAX.
MIN.	3.4	7.3	11.0	11.0	18.0	491	55.0	54.0	133	69.0	69.0	36.0	MIN.
AC. FT.	574	820	1051	1238	39200	67180	6841	53510	89680	6123	6133	3535	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
381	3960	11.56	5	8	2130	3.3	4.73	10	6	2400	275900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 30 06	120 27 03	NE17 5S 14E	3960	11.56	5/ 8/62	NOV 58-DATE	NOV 58-DATE	1958		0.00	LOCAL

Station located 0.2 mi. below Merced-Snelling Highway Bridge, 1.4 mi. SW of Snelling. Flow regulated by Exchequer power plant and Lake McClure. Prior to November, 1958, records available for a alte 3.6 mi. downstream.

TABLE 141

DAILY MEAN DISCHARGE

MERCED RIVER AT CRESSEY

IN SECOND FEET

STATION NO	WATER YEAR
805155	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23	22	63	59	74	1300	619	90	788	232	100	133	1
3	24	22	84	60	76	1310	471	81	849	222	90	128	3
3	24	27	89	62	77	1390	350	76	2100	NR	103	121	3
4	23	29	94	63	75	1330	277	78	2730	NR	112	119	4
5	21	30	95	64	74	1300	259	78	2260	NR	133	143	5
6	24	29	85	64	72	2140	235	77	1610	NR	142	134	6
7	26	32	79	60	75	2300	225	708	1880	NR	131	132	7
8	26	36	75	59	80	1490	232	3110	2170	NR	128	148	8
9	24	37	73	62	210	1340	228	3660 *	2260	NR	119	144	9
10	21	40	71	64	1350	1350	211	3610	2580	NR	126	138	10
11	26	40	68	63	2140	1320	202	2880	2680 *	NR	127	129	11
13	28	38	66	66	1040 *	1300	192	2100	2420	NR	129	126	13
13	29	40	65	69	470	1280	184	1780	2120	NR	119	140	12
14	29	41	62 *	65	550	1280	141	849	1990	NR	250	147	14
15	27	45 *	61	62	2810	1260	161	788	1680	NR	138	153	15
16	26 *	46	58	61	3450 *	1260	164	796	1440	NR	129 *	157	16
17	23	43	59	62 *	1810	1250	142 *	464	1010	NR	109	144	17
18	24	41	59	60	1540	1240	157	473	1130	114	111	144	18
19	20	39	63	62	1730	1230	160	774	1280	117	119	136	19
20	20	47	61	82	1540	1230	143	519	1650	108	120	133 *	20
21	20	50	60	101	1500	1220 *	138	383	1880	119	135	141	21
23	20	52	59	140	1440	1230	133	377	1700 *	114	136	141	23
33	25	53	59	111	1370	1250	127	363	1500	108	141	141	23
34	30	51	58	98	1350	1230	114	723	1370	94	143	143	24
35	32	54	57	90	1340	1230	107	799	989	82	141	144	25
26	32	60	59	86	1340	1230	103	778	769	83	130	151	26
27	31	61	60	83	1350	919	105	521	671	104	128	152	27
28	29	60	60	79	1310	792	105	374	556	112	144	163	28
29	28	62	60	76		819	102	339 *	436	114	144	157	29
30	26	60	60	75		789	97	282	302	109	145	163	30
31	22		59	72		729		473		105	147		31
MEAN	25.3	42.9	67.1	73.5	1080	1269	196	916	1561	NR	131	142	MEAN
MAX.	32.0	62.0	95.0	140	3450	2300	619	3660	2730	NR	250	163	MAX.
MIN.	20.0	22.0	57.0	59.0	72.0	729	97.0	76.0	302	NR	90.0	119	MIN.
AC. FT.	1553	2553	4128	4522	59990	78030	11670	56340	92870	NR	8071	8420	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	5120	20.39	2	16	0030	NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 25 28	120 39 47	SW 9 6S 12E	34400	22.67	12/ 4/50	JUL 41-DEC 41 JUL 42-DATE	APR 41-DATE	1950		96.24	USCGS

Station located 150 ft. below McSwain Bridge, immediately N of Cressey. Prior to May 20, 1960, station located 250 ft. upstream.

TABLE 142

DAILY MEAN DISCHARGE

ORESTIMBA CREEK NEAR CROWS LANDING

IN SECOND FEET

STATION NO	WATER YEAR
808720	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5	0.4	0.0	0.0	0.0	0.0	18	6.5	9.2	9.0	12	12	1
2	1.0	0.1	0.0	0.0	0.0	0.0	56 E	4.2	13	12	7.5	14	2
3	0.4	0.0	0.0	0.0	0.0	0.0	32 *	1.7	9.2	6.9	8.4	5.1	3
4	0.8	0.0	0.0	0.0	0.0	0.0	0.9	3.8	12	7.6	12	3.5	4
5	0.4	0.0	0.0	0.0	0.0	0.0	2.5	2.8	8.5	9.1	19	5.3	5
6	0.3	0.0	0.0	0.0	0.0	57 E	3.2	2.6	8.2	8.3	14	4.7	6
7	0.1	0.0	0.0	0.0	0.0	173 E	0.7	7.5	7.8	6.2	4.9	2.6	7
8	0.0	0.7	0.0	0.0	0.0	100 E	4.0	2.7	5.2	17	4.9	3.2	8
9	0.0	1.0	0.0	0.0	1.4E	64 E	2.1	2.8	4.9	13	7.8	11	9
10	0.0	0.3	0.0	0.0	338 E	39	5.5	8.2	5.6	5.6	9.6	15	10
11	0.0	0.0	0.0	0.0	228 #	24	6.6	4.9	6.1	10	6.0	3.9	11
12	0.7	0.3	0.0	0.0	105 E	17	11 *	5.9	6.8	7.1	6.0	3.1	12
13	0.8	0.4	0.0	0.0	23 E	11	7.9	49 E	6.2	6.1	4.2	3.2	13
14	1.0	0.4	0.0	0.0	255 E	7.7	16	63 E	5.6*	7.8	5.3	2.7*	14
15	1.3	0.0	0.0	0.0	625 #	6.0	5.0	9.4	6.9	6.2	6.7	4.0	15
16	1.9*	0.0	0.0	0.0	606 #	4.4	11	6.2*	8.1	5.5*	5.9	4.4	16
17	1.4	0.0	0.0	0.0	299 E	2.9	5.4	3.8	6.6	6.4	11 *	5.9	17
18	1.6	0.0	0.0	0.0	242 E	1.4	5.3	2.3	11	5.5	6.0	6.3	18
19	1.3	0.0	0.0	0.0	243 E	0.3	3.8	2.0	4.7	7.3	8.1	7.7	19
20	1.6	0.5	0.0	0.0	197 E	0.0	1.8	1.8	3.3	8.1	14	6.0	20
21	0.9	0.5	0.0	0.0	87 E	0.0	1.9	13	4.1	6.0	10	5.9	21
22	1.1	0.1	0.0	0.0	14 #	0.0	1.7	1.7	4.9	7.5	6.7	2.7	22
23	1.2	0.0	0.0	0.0	4.3#	32	15	1.7*	4.3	9.5	7.6	2.2	23
24	1.3	0.0	0.0	0.0	1.6E	55	7.5	3.5	4.5	8.2	6.2	2.3	24
25	1.7	0.0	0.0	0.0	0.1E	38	4.3	14	8.5	8.1	5.2	3.2	25
26	1.0	0.0	0.0	0.0	0.0	36 *	5.3	15	7.3	7.8	4.7	2.8	26
27	0.5	0.0	0.0	0.0	0.0	8.2	7.8	17	7.3	7.6	3.5	2.6	27
28	0.2	0.0	0.0	0.0	0.0	2.1	6.1	29	7.2	8.5	3.8	2.7	28
29	0.0	0.0	0.0	0.0		1.6	8.0	6.9	6.7	7.7	5.3	2.6	29
30	0.0	0.0	0.0	0.0		1.5*	9.4	6.7	7.4	8.4	4.3	3.3	30
31	0.0		0.0	0.0		1.5		6.4		10	4.4		31
MEAN	0.8	0.2	0.0	0.0	117	22.1	8.9	9.9	7.0	8.2	7.7	5.1	MEAN
MAX.	1.9	1.0	0.0	0.0	625 E	173 E	56.0E	63.0E	13.0	17.0	19.0	15.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.7	3.3	5.5	3.5	2.2	MIN.
AC. FT.	48	9			6465	1356	527	607	419	504	470	305	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
14.8	1280	9.64	2	15	1900	NR					10730

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 24 59	121 00 45	SW 8 6S 9E	1280	9.64	2/15/62	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located 0.1 mi. below River Road Bridge, 3.7 mi. NE of Crowa Landing. This includes drainage returned to San Joaquin River. Daily flows are estimated during periods of backwater from San Joaquin River.

TABLE 143

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER AT GRAYSON

IN SECOND FEET

STATION NO	WATER YEAR
807080	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	175	185	355	285	525	3040	1510	425	780	835	385	510	1
2	175	180	390	285	520	2910	1410	390	890	775	375	500	2
3	165	175	410	285	505	2820	1340	380	970	680	330	530	3
4	175	175	435	285	490	2760	1190	385	1260	610	320	510	4
5	180	175	465	285	475	2740	1090	345	1920	580	395	470	5
6	180	175	480	280	465	2780	1040	385	2220	570	430	500	6
7	180	175	485	280	475	3050	980	440	1900	520	400	520	7
8	190	175	490	285	485	3670	905	430	1810	520	415	520	8
9	195	175	485	355	565	3880	880	1010	1960	560	395	520	9
10	205	175	480	455	875	4040	840	2190	2090	520	410	580	10
11	205	175	450	510	1460	4030	835	2730	2230	500	410	520	11
12	190	175	415	545	2310	3600	820	2860	2360	525	450	455	12
13	175	180	385	560	5240	3200	815	2420	2330	560	485	445	13
14	180	175	390	560	3690	2910	780	2210	2170	535	460	445	14
15	175	175	375	545	4280	2710	740	1820	2070	515	370	420	15
16	180	175	355	540	4980	2580	685	1420	1900	490	430	425	16
17	175	175	335	520	5620	2530	635	1400	1870	485	425	420	17
18	175	175	330	500	6040	2460	600	1280	1680	445	375	415	18
19	170	180	335	515	6090	2410	580	1090	1460	435	375	395	19
20	170	200	335	765	6270	2350	555	1120	1360	410	400	454	20
21	175	230	335	905	6260	2270	575	1210	1510	410	395	470	21
22	180	235	330	1100	5940	2670	550	1090	1720	430	365	470	22
23	180	260	325	1070	5480	2630	540	985	1790	430	375	470	23
24	180	280	320	745	4970	2150	505	910	1700	405	420	510	24
25	180	310	315	620	4550	2040	455	920	1620	415	395	535	25
26	175	345	305	575	4020	1960	440	1090	1490	405	450	545	26
27	175	355	305	560	3520	1930	445	1190	1260	340	450	520	27
28	180	355	305	540	3220	1780	440	1180	1090	310	465	520	28
29	175	350	305	530		1600	455	1040	970	315	445	470	29
30	175	350	300	525		1560	435	920	885	320	435	540	30
31	180		300	530		1550		840		360	740		31
MEAN	180	221	375	527	3190	2665	768	1165	1643	491	420	488	MEAN
MAX.	205	355	490	1100	6270	4040	1510	2860	2360	835	740	545	MAX.
MIN.	165	175	300	280	465	1550	435	345	780	310	320	395	MIN.
AC. FT.	11048	13131	23058	32410	177164	163894	45719	71613	97755	30169	25736	28959	AC. FT.

E — ESTIMATED
NR — NO RECORD
e — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND e

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
995											720700

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 33 47	121 09 06	NW25 4S 7E	23900	45.15	3/ 8/41	JUL 28-DATE	JUL 28-DATE	1960 1960	1959	0.00 0.00 3.81	USED USCGS USED

Station located at Laird Slough Bridge, 5 mi. above the Tuolumne River. High flows bypassing this station through old channel of San Joaquin River are included in figures shown. Records furn. by City of San Francisco

TABLE 144

DAILY MEAN DISCHARGE

TUOLUMNE RIVER AT LA GRANGE BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
804175	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	3.6	2.2	2.5	2.7	247 *	501	16	13	9.7	9.1	19	1
2	NR	3.4	3.9	2.3	2.7	302	412	15	13	9.7	6.7	19	2
3	NR	3.0	3.6	3.3	2.5	422	447	14	13	9.1	6.8	18	3
4	NR	2.6	2.9	3.8	2.5	431	454	14	13	8.1	7.9	18	4
5	NR	1.7	2.5	3.2	2.2	535	455	13	13	7.8	9.4	18	5
6	NR	1.4	3.7	2.8	2.9	550	463	13	13	7.9	10	18	6
7	NR	1.4	11	2.2	4.1	1690 E	466	13	13	7.6	11	18	7
8	NR	1.7	11	2.7	3.3	4620 E	465	14	18	6.3	10	16	8
9	NR	2.2	9.6	3.6	13	4840 E	470	14	15	8.4	10	16	9
10	NR	2.1	6.2	3.6	18	3830 E	466	14	13	8.1	10	13	10
11	NR	1.9	5.1	3.6	23	2380	469	13	12	8.5	10	10	11
12	NR	2.2	7.4	3.4	9.5	2220 *	325	13	12	9.2	10	11	12
13	NR	2.4	7.4	3.6	9.9	2250	23	13	12	9.4	9.0	11	13
14	NR	2.5*	6.7*	3.8	9.0	2240	22	13	12	9.9	12	11	14
15	NR	2.5	5.0	3.4	56	2230	21	13	15	8.5	15	9.8	15
16	NR	2.5	5.2	3.6*	1460	1800	20	12	12	8.9*	8.4*	7.6	16
17	NR	2.5	4.1	3.9	2440 *	1750	18	12 *	12	184	7.5	6.1	17
18	NR	2.5	3.7	3.8	2420	1670	19 *	12	12	11	8.2	7.2*	18
19	NR	2.4	4.6	4.1	2540	1300	18	12	12	7.0	7.9	6.9	19
20	NR	3.4	2.3	6.4	2620	1190	18	12	12 *	6.8	7.1	7.2	20
21	NR	3.2	2.2	4.0	2670	1190	17	11	12	6.7	7.9	7.9	21
22	NR	2.2	2.2	3.2	2530	1210	17	12	11	9.2	8.2	7.9	22
23	NR	1.5	2.5	4.6	2550	1070	17	12	11	9.7	8.7	7.6	23
24	NR	0.6	2.5	4.0	2040	967	16	11	10	10	9.0	7.9	24
25	NR	1.0	2.5	4.0	667	1120	15	11	9.7	10	9.1	9.1	25
26	NR	1.7	2.5	4.3	134	1040	15	12	10	9.8	8.5	9.7	26
27	NR	0.7	2.5	3.4	141	1020	15	12	11	9.6	8.5	9.1	27
28	13	1.0	2.5	2.9	187	1020	15	12	11	9.8	8.5	11	28
29	5.0	2.3	2.5	2.8		1060	15	13	11	9.7	15	11	29
30	1.5	2.1	2.5	2.8		884	15	12	10	9.7	20	11	30
31	2.6		2.3	2.3		908		12		9.9	20		31
MEAN	NR	2.1	4.4	3.5	806	1548 E	190	12.7	12.2	14.6	10.0	11.8	MEAN
MAX.	NR	3.6	11.0	6.4	2670	4840 E	501	16.0	18.0	184	20.0	19.0	MAX.
MIN.	NR	0.6	2.2	2.2	2.2	247	15.0	11.0	9.7	6.7	6.7	6.1	MIN.
AC. FT.	NR	127	268	214	44750	95160	11320	783	727	897	614	700	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 39 59	120 27 40	NW 20 3S 14E	48200	188.0	12/ 8/50	OCT 36-SEP 60 OCT 61-DATE	OCT 36-SEP 60 OCT 61-DATE	1937		0.00	USGS

Station located at highway bridge, immediately N of La Orange. Flow regulated by reservoirs and power plants.

TABLE 145

DAILY MEAN DISCHARGE

TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
804165	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	32	33	38	39	36	287 *	688	48	51	38	39	39	1
2	32	32	49	38	35	300	590	42	48	36	41	40	2
3	32	33	55	37	34	488	581	40	46	35	36	33	3
4	31	34	47	37	36	506	579	41	45	32	36	29	4
5	32	34	43	37	36	599	571	44	40	30	37	37	5
6	33	32	41	37	34	721	580	39	38	30	35	44	6
7	31	32	39	37	38	992	582	38	44	28	38	41	7
8	31	34	43	36	43	4710	582	40	41	34	35	43	8
9	31	33	46	35	120	5340	575	40	37	33	36	46	9
10	30	28	44	35	193	4810	570	39	41	31	39	37	10
11	28	30	41	34	250	2600	567	43	38	34	40	36	11
12	25	33	39	35	133	2500	556	43	35	36	41	38	12
13	26	34	41	36	89	2440	143	41	34	36	35	39	13
14	27	34 *	43 *	36	109	2420	75	43	33	38	31	41	14
15	27	35	45	34	247	2430	65	42	38	41	29	39	15
16	30	36	45	35 *	930	2160	59	42	44	35 *	28 *	41	16
17	30 *	36	42	36	2740	1840	55	48 *	45	95	32	36	17
18	31	37	39	34	2540	1850	56 *	46	42	152	34	31 *	18
19	28	36	38	37	2750	1610 *	57	49	39	50	38	34	19
20	27	44	37	45	2700	1420	54	47	37 *	35	31	35	20
21	28	42	37	44	2680 *	1370	53	44	39	32	28	34	21
22	28	39	37	39	2540	1410	56	42	39	31	27	35	22
23	29	36	35	36	2470	1270	50	44	37	30	34	37	23
24	32	36	37	33	2280	1150	43	48	34	28	30	34	24
25	34	39	37	33	1020	1290	44	44	32	34	30	28	25
26	37	41	37	35	269	1230	46	45	32	41	36	34	26
27	36	37	39	34	213	1180	45	50	34	42	30	37	27
28	35	36	39	33	209	1150	48	50	39	43	25	36	28
29	32	37	39	33		1190	45	44	39	44	30	35	29
30	34	37	38	30		1120	45	43	39	41	34	38	30
31	35		37	30		1150		51		34	39		31
MEAN	30.6	35.3	40.9	35.8	885	1727	269	43.9	39.3	41.3	34.0	36.9	MEAN
MAX.	37.0	44.0	55.0	45.0	2750	5340	688	51.0	51.0	152	41.0	46.0	MAX.
MIN.	25.0	28.0	35.0	30.0	34.0	287	43.0	38.0	32.0	28.0	25.0	28.0	MIN.
AC. FT.	1892	2102	2513	2202	49140	106200	15990	2701	2340	2537	2091	2196	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
265	5690	13.94	3	10	0320	19.0	8.07	8	28	1640	191900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 38 08	120 37 03	NW35 3S 12E	49800	128.2	12/ 8/50	7/28-10/36ö 1/37- 2/38 6/38-DATE	7/28-10/36ö 1/37- 2/38 6/38-DATE	1930 1940	1940	106.20 0.00	USCGS USCGS

Station located at highway bridge, 7.5 mi. E of Waterford. Flow regulated by reservoirs and power plants.

ö Irrigation season only.

TABLE 146

DAILY MEAN DISCHARGE

TUOLUMNE RIVER AT HICKMAN BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
804150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	80	152	96	92	92	479	836	105	92	91	85	102	1
2	78	202	108	95	90	509	687	96	93	94	92	98	2
3	79	321	111	99	90	680	647	86	90	88	92	95	3
4	76	331	108	97	91	738	661	88	94	88	90	89	4
5	74	336	101	98	92	833	662	88	97	87	91	91	5
6	78	333	97	99	92	979 *	662	89	95	85	92	100	6
7	77	343	97	97	94	947	653	87	93	85	95	98	7
8	77	339	99	92	94	3800	653	87	91	86	92	96	8
9	83	337	101	93	127	4450	643	87	86	88	93	101	9
10	81	182	101	93	265	4420	631	89	85	88	93	101	10
11	79	115	99	91	335	2650	635	94	88	90	96	95	11
12	77	99	98 *	93	255	2590 *	632	94	88	88	99	95	12
13	73	86	98	92	167	2540	294	95	86	91	97	95	12
14	74	84 *	99	90	197	2470	151	101	87	89	90	95	14
15	75	85	101	88	335	2470	132	95	90	88	92	96	15
16	75	86	101	91 *	649	2320	123	95	93	87 *	89 *	92	16
17	76 *	86	99	90	2680 *	1940	118	96 *	95	84	90	93	17
18	76	86	99	93	2440	2010	115	95	95	201	94	87 *	18
19	76	86	99	96	2680	1820	119	93	92	113	99	88	19
20	79	98	97	105	2670	1520	115 *	93	91 *	94	101	91	20
21	76	94	95	105	2670	1530	117	96	93	86	97	94	21
22	77	91	94	102	2600	1540	118	91	93	85	96	94	22
23	79	93	96	97	2520	1450	117	89	92	85	95	95	23
24	83	94	94	96	2690	1300	110	94	90	85	95	94	24
25	86	96	92	97	1570	1370	107	94	86	84	93	89	25
26	87	99	92	97	571	1350	112	91	85	89	95	91	26
27	91	94	92	98	431	1350	117	94	88	97	97	97	27
28	88	92	92	99	411	1260	118	97	91	96	90	98	28
29	87	95	92	99		1320	113	95	89	96	89	95	29
30	102	95	92	98		1280	109	94	91	96	95	96	30
31	105		92	99		1230		92		88	105		31
MEAN	80.8	158	97.8	95.8	964	1780	344	92.8	90.6	93.3	93.8	94.7	MEAN
MAX.	105	343	111	105	2690	4450	836	105	97.0	201	105	102	MAX.
MIN.	73.0	84.0	92.0	88.0	90.0	479	107	86.0	85.0	84.0	85.0	87.0	MIN.
AC. FT.	4967	9382	6014	5893	53550	109400	20440	5708	5393	5736	5770	5635	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — 8 AND 9

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
328.6	4820	78.36	3	10	0500	72.0	72.41	10	13	0740	237900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M O.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 38 10	120 45 14	NW34 3S 11E	59000	96.2	12/ 8/50	7/32-10/368 1/37- 3/37 7/37- 2/38 7/38-12/38 3/39-DATE	7/32-10/368 1/37- 3/37 7/37- 2/38 7/38-12/38 3/39-DATE	1932		0.00	USCGS

Station located at Hickman-Waterford Road Bridge, immediately SE of Waterford. Flow regulated by reservoirs and power plants.

8 Irrigation season only.

TABLE 147

DAILY MEAN DISCHARGE

ORY CREEK NEAR MODESTO

IN SECOND FEET

STATION NO	WATER YEAR
804130	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	8.4	17	7.1	6.3	72	65	72	63	61	46	123	1
2	16	8.3	20	6.8	5.9	56	69	64	62	60	40	117	2
3	17	8.1	40	6.6	6.1	120	63	72	61	73	50	114	3
4	15	9.7	64	6.4	6.2	167	57	61	62	65	47	116	4
5	13	8.9	35	6.2	6.4	90	66	61	65	52	53	119	5
6	18	7.6	27	6.2	6.1	219	66	68	64	50	58	121	6
7	18	7.4	21	6.1	6.7	1370	66	73	66	58	47	123	7
8	14	6.1	16	5.8	12	499	66	76	65	52	58	114	8
9	11	6.5	14	5.6	108	184	62	67	64	56	50	123	9
10	11	7.3	11	5.4	762	120	55	51	80	65	47	124	10
11	11	7.1	9.3	5.6	1530 *	88	61	37	57	56	59	119	11
12	11	6.7	9.4*	5.6	1570 *	70	55	50	51	58	47	112	12
13	13	6.3	8.2	5.1	483 *	63	66	53	52	63	57	107	13
14	12	6.6	8.0	5.4	1460 *	57	56	61	52	62	56	103	14
15	9.6	6.9*	7.2	5.1*	1510	49	58	67	53	64	52	101	15
16	6.5*	7.0	6.9	5.2	2680 *	42	56 *	65	62	65 *	50 *	112	16
17	7.7	7.8	7.6	5.2	1200	39	57	79	75	64	47	106	17
18	6.5	8.1	8.8	5.3	413	35	66	81 *	87	48	51	105	18
19	4.5	9.9	9.0	5.6	331	33 *	65	78	73	55	47	93 *	19
20	7.0	14	8.3	11	526	30	76	71	65 *	49	46	82	20
21	12	41	7.9	23	250	28	65	71	50	40	52	42	21
22	9.2	45	11	22	156	26	59	72	45	40	46	36	22
23	8.0	23	11	19	113	25	69	65	49	37	34	39	23
24	6.6	11	8.4	17	89	23	72	67	49	39	36	36	24
25	6.5	7.1	8.9	13	72	30	66	62	49	36	37	37	25
26	6.4	6.9	8.8	11	65 *	28	61	73	56	31	39	33	26
27	6.6	11	6.7	8.8	127	23	63	86	54	33	49	37	27
28	6.2	11	5.8	7.4	104	18	84	91	67	37	35	35	28
29	9.4	8.5	5.4	6.8		72	76	85	62	44	44	36	29
30	7.8	12	5.3	6.2		40	79	78	63	48	94	40	30
31	7.4		6.9	6.2		47		68		48	90		31
MEAN	10.4	11.2	14.0	8.4	466	121	64.8	68.4	60.8	51.9	50.3	86.8	MEAN
MAX.	18.0	45.0	64.0	23.0	2680	1370	84.0	91.0	87.0	73.0	94.0	124	MAX.
MIN.	4.5	6.1	5.3	5.1	5.9	18.0	55.0	37.0	45.0	31.0	34.0	33.0	MIN.
AC. FT.	640	665	860	519	26990	7464	3858	4207	3616	3191	3102	5167	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
83.3	3190	82.99	2	16	0320	4.1	67.51	10	19	2400	60270

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 39 26	120 55 19	SE24 3S 9E	7710	88.04	12/23/55	MAR 41-DATE	MAR 41-DATE	1941		0.00	USCGS

Station located 0.1 mi. below Claus Road Bridge, 4 mi. E of Modesto. Tributary to Tuolumne River. Prior to Mar. 1941, records available for a site 2.5 mi. downstream. This ia a Department of Water Resourcea-Modesto Irrigation District Cooperative atation.

TABLE 148

DAILY MEAN DISCHARGE

TUOLUMNE RIVER AT TUOLUMNE CITY

IN SECOND FEET

STATION NO	WATER YEAR
804105	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	240	255	285	190	190	1360	1330	380	315	305	290	390	1
2	240	265	295	190	190	1230	1080	395	320	310	270	425	2
3	235	300	290	190	190	1200	970	380	325	325	260	410	3
4	230	390	295	190	190	1410	925	360	295	305	275	380	4
5	225	475	310	190	185	1300	910	350	310	285	300	380	5
6	230	500	295	195	190	1460	910	345	345	280	300	395	6
7	235	510	285	240	200	2120	875	380	325	280	305	395	7
8	240	515	280	205	220	2650	885	355	310	290	290	425	8
9	250	515	275	200	275	3780	870	345	320	280	305	445	9
10	245	520	270	200	550	4110	860	345	350	260	320	445	10
11	250	480	270	210	1520	3610	830	420	365	265	320	405	11
12	250	375	275	200	2060	2720	830	485	350	270	335	395	12
13	240	325	270	220	1510	2490	820	465	355	295	325	380	13
14	240	295	270	200	1430	2400	580	405	330	305	320	370	14
15	240	280	265	195	1930	2340	475	360	325	325	320	370	15
16	235	285	265	200	2870	2310	475	350	300	310	320	400	16
17	230	265	265	195	3440	2130	435	330	320	290	300	420	17
18	230	265	260	195	3590	2020	420	340	325	275	285	390	18
19	235	265	265	200	3570	1990	415	335	315	320	310	380	19
20	225	295	280	230	3920	1780	410	340	290	350	325	365	20
21	225	310	260	230	3970	1600	415	355	280	305	315	360	21
22	240	295	255	235	3770	1580	405	345	285	285	325	350	22
23	235	290	260	235	3450	1580	390	340	285	290	325	370	23
24	240	280	260	225	3310	1590	375	325	315	275	310	370	24
25	235	275	255	215	3150	1420	360	340	310	255	325	365	25
26	230	285	255	215	2420	1470	350	330	290	260	340	360	26
27	240	270	255	205	1730	1420	360	350	280	260	335	355	27
28	250	275	255	200	1520	1380	375	355	270	255	325	360	28
29	250	275	255	195		1380	390	350	290	285	310	375	29
30	250	285	255	195		1400	385	355	295	305	320	380	30
31	245		250	190		1350		340		310	380		31
MEAN	238	340	270	206	1841	1954	837	363	313	291	312	387	MEAN
MAX.	250	520	310	240	3970	4110	1330	485	365	350	380	445	MAX.
MIN.	225	255	250	190	185	1200	350	325	270	255	260	350	MIN.
AC. FT.	14648	20261	16621	12644	102228	120159	37904	22314	18625	17871	19210	23028	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
588											425500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 36 12	121 07 50	NW 7 4S 8E				30-DATE	30-DATE	1960	1959	0.00	USED
								1960		0.00	USCOS
										3.50	USED

Station located at highway bridge, 3.35 mi. above mouth. Backwater at times affects the stage-discharge relationship. Records furn. by City of San Francisco.

TABLE 149

DAILY MEAN DISCHARGE

BURKHAROT DRAIN NEAR GRAYSON

IN SECOND FEET

STATION NO	WATER YEAR
800935	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.3	8.7	NR	NR	NR	NR	6.9	28	20	26	37 E	26 E	1
3	8.7	9.0	NR	NR	NR	NR	NR	26	25	26	38 E	24 E	2
2	8.4	9.0	NR	NR	NR	NR	NR	27	24	30	38 E	22 E	3
4	8.9	7.9	NR	NR	NR	NR	NR	27	30	32	35 E	21 E	4
5	8.3	6.9	NR	NR	NR	NR	NR	25	30	36	38 E	19 E	5
6	8.3	6.4	NR	NR	NR	NR	NR	25	38	41	36 E	18	6
7	11	5.4	NR	NR	NR	NR	NR	23	36	36	32 E	17	7
8	13	5.4	NR	NR	NR	NR	NR	22	30	NR	35	15	8
9	13	6.5	NR	NR	NR	NR	NR	24	25	NR	33	12 E	9
10	10	NR	NR	NR	NR	NR	NR	24	34	42	33	10 E	10
11	10	NR	NR	NR	NR	NR	NR	39	37	39	34	10 E	11
12	13	NR	NR	NR	NR	NR	NR	50	45	32	26	12 E	12
13	11	NR	NR	NR	NR	NR	26	41	49	35	27	14 E	12
14	7.9	NR	NR	NR	NR	NR	24	32	43	35	24	14 E	14
15	7.1	NR	NR	NR	NR	NR	29	27	35	32	25	13 E	15
16	7.1	NR	NR	NR	NR	NR	27	21	35	31	29	11 E	16
17	7.6	NR	NR	NR	NR	NR	30	19	39	28	32	10 E	17
18	7.8	NR	NR	NR	NR	NR	36	21	38	35	27	9.2E	18
19	7.9	NR	NR	NR	NR	NR	36	21	33	36	29	7.9#	19
20	7.7	NR	NR	NR	NR	NR	34	21	32	36	33	9.0	20
21	8.1	NR	NR	NR	NR	NR	32	19	31	41	34 *	9.7	21
22	9.7	NR	NR	NR	NR	NR	31	24	34	42	33	8.3	22
23	9.4	NR	NR	NR	NR	NR	27	22 *	35	43	30	7.9	23
24	7.7	NR	NR	NR	NR	NR	28	24	32	45	28 E	9.3	24
25	6.5	NR	NR	NR	NR	NR	35	25	29	43 E	21 E	7.4	25
26	6.7	NR	NR	NR	NR	NR	34 *	18	24	42 #	19 E	6.5	26
27	7.1*	NR	NR	NR	NR	NR	33	13	21	41	18 E	9.0	27
28	7.1	NR	NR	NR	NR	NR	33	17	23 *	43	24 E	8.1	28
29	9.0	NR	NR	NR		NR	35	16	22	45	25 E	8.0	29
30	9.2	NR	NR	NR		NR	33	16	26	45	25 E	6.8	30
31	7.1		NR	NR		NR		16		41 E	24 E		31
MEAN	8.8	NR	NR	NR	NR	NR	NR	24.4	31.8	NR	29.7	12.5	MEAN
MAX.	13.0	NR	NR	NR	NR	NR	NR	50.0	49.0	NR	38.0E	26.0E	MAX.
MIN.	6.5	NR	NR	NR	NR	NR	NR	13.0	20.0	NR	18.0E	6.5	MIN.
AC. FT.	543	NR	NR	NR	NR	NR	NR	1498	1894	NR	1829	744	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 36 53	121 12 20	SW 4 4S 7E	105E	2.00	7/ 4/59	APR 57-DATE 8	APR 57-DATE 8	1959		0.00 1.00	LOCAL LOCAL

Station located 1.2 mi. E of El Solyo Ranch, 2.6 mi. N. of Grayson. This includes flow of Hospital Creek and drainage returned to San Joaquin River.

8 Irrigation season only.

TABLE 150

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER AT HETCH HETCHY AQUEDUCT CROSSING

IN SECOND FEET

STATION NO	WATER YEAR
807060	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	345	400	625	515	705	4110	2270	875	1020	1050	560	690	1
2	370	410	660	515	705	3680	2100	775	1050	985	545	735	2
3	325	425	690	510	695	3410	1890	750	1590	910	540	785	3
4	320	450	710	505	685	3410	1690	760	1990	800	515	775	4
5	320	520	755	505	675	3420	1570	760	2400	760	590	735	5
6	320	560	775	505	665	3430	1530	880	2780	740	675	750	6
7	345	575	775	525	665	4020	1470	1090	2330	705	620	755	7
8	365	585	780	525	670	5540	1440	1230	1840	690	600	785	8
9	375	585	775	550	735	7050	1400	1380	1900	720	585	840	9
10	375	585	760	625	985	8100	1350	2110	2220	705	595	880	10
11	375	585	740	690	1800	8110	1300	2730	2300	680	565	815	11
12	370	525	705	730	2970	6660	1280	3030	2560	680	560	770	12
13	360	480	670	745	3720	5750	1280	2780	2730	710	620	740	13
14	355	450	655	750	3850	5210	1180	2430	2550	725	610	725	14
15	370	435	640	735	5060	4790	1040	2100	2300	720	505	735	15
16	370	435	625	735	6910	4650	1010	1660	2020	700	520	745	16
17	355	420	595	720	9010	4450	910	1450	1660	650	560	745	17
18	350	405	585	700	9990	4070	835	1370	1750	610	525	735	18
19	360	415	585	690	10250	3890	860	1280	1490	610	510	720	19
20	360	465	585	850	10700	3690	890	1240	1460	640	570	730	20
21	355	505	580	865	11060	3370	970	1320	1610	620	570	800	21
22	385	510	570	1110	10610	3250	1060	1270	1750	610	550	800	22
23	390	520	565	1140	9740	3200	1020	1210	1810	635	550	815	23
24	385	530	565	1000	8800	3100	930	1180	1810	550	590	835	24
25	380	560	560	835	8240	2940	870	1170	1655	525	610	835	25
26	365	600	545	780	6870	2850	835	1280	1520	515	645	860	26
27	360	620	545	755	5350	2780	890	1400	1350	485	680	835	27
28	385	620	540	735	4530	2650	940	1340	1170	480	665	845	28
29	405	620	545	720		2460	965	1250	1090	525	670	865	29
30	390	625	540	710		2390	955	1140	1050	525	610	870	30
31	390		535	710		2340		1090		535	640		31
MEAN	364	514	638	709	4880	4154	1224	1430	1832	671	586	785	MEAN
MAX.	405	625	780	1140	11060	8110	2270	3030	2780	1050	680	880	MAX.
MIN.	320	400	535	505	665	2340	835	750	1020	480	505	690	MIN.
AC. FT.	22364	30585	39233	43607	271063	255412	72853	87927	109012	41246	36040	46711	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1446											1056000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 38 10	121 12 54	NE32 3S 7E	38400	38.43	4/ 2/40	MAR 33-DATE	MAR 33-DATE		1959	0.00	USED
								1960		0.00	USCOS
								1960		3.51	USED

Station located 2.9 mi. above the Stanislaus River. Maximum discharge of record is for period 1939 to date. Records furn. by City of San Francisco.

TABLE 151

DAILY **MEAN** DISCHARGE

STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

IN SECOND FEET

STATION NO	WATER YEAR
803175	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21 E	63 E	47	40	34	654	643	920	1730	98	37	34	1
2	24 E	59 E	90	38	34	553	523	890	4560	94	37	37	2
3	27 E	52	104	36	34	493	190	994	4090	88	38	35	3
4	30 E	45	50	38	34	466	151	1220	3820 *	53	40	31	4
5	32 E	43	45	38	33	622	119	1860	3160	49	37	28	5
6	31 E	43	43	37	34	1270	110	2480	1860	50	33	30	6
7	31 E	43	43	38	37	1310	195	2730	1080	48	32	32	7
8	30 E	42	42	38	57	1820	217	2730 *	2020	48	35	31	8
9	31 E	43	44	38	278	1800	190	2690	2270	45	36	30	9
10	31 E	50	43	36	403	1780	171	2630	2170	41	37	29	10
11	31 E	53	43	37	426	1780	178	2410	2910	40	37	26	11
12	31 E	52	42 *	40	131	1770	173	1870	2990 *	43	39	29	12
13	33 E	55	44	41	268 *	1730	175	1650	2390	46	37	37	13
14	33 E	45	41	40	437	1630	176	1430	1910	46	43	34	14
15	33 E	38 *	42	40	2680	1750	176	907	1540	45	32	32	15
16	35 #	43	43	40 *	2120 *	1750	279 *	168	1990	43	31	33	16
17	33 E	43	42	39	1900	1060	869	149 *	2640	41 *	34 *	31 *	17
18	31 E	44	42	40	1840	1000	1410	141	2710	34	33	28	18
19	33 E	48	42	43	1670	986 *	1340	141	1730	33	35	27	19
20	36 E	55	41	52	1800	728	1680	144	2090	34	34	29	20
21	40 E	53	41	51	1760	741	1590	551	1720 *	34	35	31	21
22	42 E	47	41	43	1730	746	1520	793	1540	34	33	30	22
23	44 E	44	42	43	1720	747	1480	787	1370	34	33	33	23
24	48 E	44	42	42	1730	745	1480	741	894	34	34	31	24
25	53 E	47	42	41	1720	752	1490 E	475	535	34	32	33	25
26	59 E	51	42	41	1750	639	1495 E	138	532	33	31	28	26
27	66 E	46	42	40	1700	979	1500 E	128	387	35	32	30	27
28	57 E	44	42	41	1560	718	1500 E	122	249	34	27	33	28
29	52 E	46	42	42		624	1400 E	115	112	34	29	33	29
30	55 E	47	41	39		497	1170 E	116	103	32	31	32	30
31	60 E		44	38		635		163		32	36		31
MEAN	38.5	47.6	46.3	40.4	1005	1064	786	1041	1903	44.8	34.5	31.2	MEAN
MAX.	66.0E	63.0E	104	52.0	2680	1820	1680	2730	4560	98.0	43.0	37.0	MAX.
MIN.	21.0E	38.0	41.0	36.0	33.0	468	110	115	103	32.0	27.0	26.0	MIN.
AC. FT.	2366	2832	2844	2483	55820	65410	46790	64030	113300	2755	2122	1859	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
500	4840	10.03	6	2	2400	NR					362600

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 47 18	120 45 41	SW 4 2S 11E	52000	30.05	11/21/50	6/28-12/398 4/40-DATE	6/28-12/398 4/40-DATE			0.00	LOCAL

Station located at bridge, 5.0 mi. E of Oakdale. Flow regulated by reservoirs and power plants.

δ Irrigation season only.

TABLE 152

DAILY MEAN DISCHARGE

STANISLAUS RIVER AT RIVERBANK

IN SECOND FEET

STATION NO	WATER YEAR
803145	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38	95	85	62	55	1020	659	924	415	188	95	95	1
2	35	98	92	62	52	599	620	846	4010	181	96	93	2
3	39	94	117	59	51	633	363	908	4130	173	99	92	3
4	44	90	157	61	50	556	237	982	3760 *	163	97	87	4
5	51	83	107	60	49	557	194	1430	3360	145	99	90	5
6	52	78	82	60	49	1120	187	2100	2100	143	99	86	6
7	51	74	75	60	54	1320	190	2620	1090	135	93	88	7
8	50	71	72	59	62	1740	241	2640 *	1530	132	88	90	8
9	49	72	70	58	189	1800	238	2610	2360	130	89	90	9
10	50	70	69	58	465	1780	215	2570	1950	125	92	88	10
11	50	78	67	59	638	1770	210	2450	2720	126	94	86	11
12	50	81	67 *	57	499	1770	205	1880	3150 *	127	95	85	12
13	52	85	69	62	242	1740	201	1540	2660	127	97	85	13
14	54	86	68	60	495	1680	201	1450	2140	129	91	90	14
15	54	83	67	60	2090	1700	196	1070	1470	125	91	91	15
16	54 *	73	66	59	2270 *	1750	198 *	373	994	122	88	94	16
17	56	66	65	59	1950	1360	427	214	700	118	85 *	94	17
18	52	70	67	59	1830	1080	1270	193 *	323	114	87	92	18
19	50	70	68	60	1850	1100	1060	188	1300	106	88	92	19
20	55	83	66	71	1800	875 *	1480	191	2140	105	87	91	20
21	65	96	67	77	1750	810	1470	331	1910 *	104	89	94	21
22	69	86	68	79	1720	809	1400	649	1600	104	90	95	22
23	69	77	66	68	1710	805	1350	702	1530	102	91	93	23
24	70	73	67	61	1710	789	1330	700	1130	100	91	93	24
25	74	72	68	59	1710	779	1350	580	673	103	90	94	25
26	81	79	68	59	1730	787	1370	251	633	99	89	97	26
27	85	79	68	59	1690	993	1380	191	502	97	90	100	27
28	102	77	66	58	1660	839	1380	181	420	99	92	98	28
29	96	76	64	58		764	1400	174	253	97	89	99	29
30	87	78	62	58		519	1330	168	198	97	87	99	30
21	89		63	55		650		163		95	93		31
MEAN	60.4	79.8	74.9	61.2	1015	1113	745	1009	1706	123	91.6	92.0	MEAN
MAX.	102	98.0	157	79.0	2270	1800	1480	2640	4130	188	99.0	100	MAX.
MIN.	35.0	66.0	62.0	55.0	49.0	519	187	163	198	95.0	85.0	85.0	MIN.
AC. FT.	3715	4746	4608	3761	56370	68420	44340	62020	101500	7559	5635	5476	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
508	4620	82.59	6	2	1610	33.0	73.92	10	1	2400	368100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 44 31	120 56 21	SW24 2S 9E	85800	103.18	12/23/55	JUL 40-DATE	JUL 40-DATE	1940		0.00	USCGS

Station located at Burneyville Bridge, immediately N of Riverbank.

TABLE 153

DAILY MEAN DISCHARGE

STANISLAUS RIVER NEAR MOUTH

IN SECOND FEET

STATION NO	WATER YEAR
803105	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.9	107	119	100	107	1580 E	746	1350	330	452	80	112	1
2	5.0	118	124	98	101	999	785	1120	725	348	74	149	2
3	5.2	91	125	100	98	724	740	1040	2820	271	66	129	3
4	6.0*	69	124	103	95	674	538	1050	3270	301	97	110	4
5	5.8	102	130	104	94	620	399	1170	3300	257	146	119	5
6	8.0	87	141	99	94	618	349	1550	3120 *	216	119	110	6
7	7.4	58	137	101	98	1020	333	1990	2260	171	96	133	7
8	7.8	34	111	100	97	1320 E	331	2300	1520	175	107	139	8
9	8.6	55	111	101	117	1580 E	298	2360 *	1880	183	103	167	9
10	9.0	45	101	100	183	1600 E	318	2430	2250	167	111	153	10
11	8.6	68	113	102	360 E	1590 E	274	2460	2210	159	104	123	11
12	9.9	85	112	100	520 E	1590 E	277	2350	2660	130	143	126	12
13	14	83	NR	101	508 E	1580 E	274	2020	2860	121	100	104	13
14	190	67	NR	101	415 E	1540 E	268	1750	2550	164	90	94	14
15	152	95 *	109	108 *	437	1530 E	241	1540	2150	160	86	122	15
16	86 *	85	109	98	1210	1580 E	231	1240	1650	134	89	127	16
17	27	81	110	102	2050 #	1550 E	247	760	1300	104 *	86 *	114 *	17
18	21	66	108	102	2030 E	1360	348	538	964	110	79	105	18
19	13	96	108	105	1910 E	1200	945	445	676	121	145	102	19
20	32	125	106	112	1900 E	1160 *	1100	431	1380	120	119	116	20
21	59	125	105	110	1890 E	991	1390	382 *	1880 *	102	98	120	21
22	73	126	104	119	1750 E	936	1550	473	1800	146	103	143	22
23	84	128	102	118	1680 E	925	1450 *	703	1650	94	77	160	23
24	86	125	102	118	1680 E	913	1380	790	1610	103	95	176	24
25	71	127	103	114	1680 E	912	1380	804	1250	78	91	178	25
26	67	122	104	110	1680 E	874	1400	745	914	77	142	123	26
27	82	115	103	107	1670 #	889	1430	548	795	77	99	102	27
28	96	115	102	102	1650 E	969	1470	465	681	107	77	171	28
29	104	118	103	101		871	1500	436	593	98	94	NR	29
30	107	117	104	100		804	1490	379	484	104	107	NR	30
31	115		105	113		680		385		78	85		31
MEAN	50.5	94.5	NR	105	932	1135	783	1161	1718	159	100	NR	MEAN
MAX.	190	128	NR	119	2050 E	1600 E	1550	2460	3300	452	146	NR	MAX.
MIN.	3.9	34.0	NR	98.0	94.0	618	231	379	330	77.0	86.0	NR	MIN.
AC. FT.	3103	5623	NR	6444	51780	69780	46580	71410	102200	9775	6165	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 40 02	121 13 41	SW17 3S 7E				SEP 51-DATE	SEP 51-DATE	1951 1959	1959	1.11 0.00	USCGS USCGS

Station located 1.9 mi. above mouth, 7.7 mi. SW of Ripon. Backwater from San Joaquin River at times affects the stage-discharge relationship. Prior records available at other sites.

TABLE 154

DAILY MEAN DISCHARGE

SAN JOAQUIN RIVER NEAR VERNALIS

IN SECOND FEET

STATION NO.	WATER YEAR
807020	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	335	504	714	619	808	6390	3540	2000 •	1440	1600	650	792	1
2	378	510	734	616	792	5730	3410 •	1760	1550	1450	642	900	2
3	324	520	759	616	780	5160	3120	1690	3570	1280	634	990	3
4	304	514	766	612	770	5040	2700	1660	4490	1180	642	965	4
5	300	584	800	608	756	5020 •	2380	1700	5060	1070	679	890	5
6	291	636	832	612	748	5000	2250	2010	5490	984	778	920	6
7	318	633 •	836	619	752 •	5690	2150	2540	4660	953	764	950	7
8	356	616	832	626 •	756	7220	2070	2940	3540	935	760	995	8
9	382	633	812	633	831	8620	1990	3170	3650	917	756	1080	9
10	386 •	633	800	692	1090	9650	1930	4240	4350	904	751	1110	10
11	382	647	792 •	748	2000	9830	1840	5090	4440	890	746	1080 •	11
12	382	608	766	800	3550	8780	1780	5460	4920	878	733	995	12
13	386	570	742	820	4670 •	7890	1760	5130	5300	866	746	925	13
14	386	517	728	828	4760	7340	1730	4530	5040	854	728	885	14
15	523	517	717	820	5780	6980	1510	4050	4530	842	582	920	15
16	475	507	703	812	7820	6780	1420	3290	3910	830	562	930	16
17	434	507 •	682	800	10200	6620	1280	2560	3400	618	598	920	17
18	393	485	668	776	11100	6120	1220	2210	3080	806	622	895	18
19	399	494	664	770	11600 •	5820	1570	1970	2410	794	618	880	19
20	414	556	668	900	12000	5610	1800	1850	2640	746 •	658	905	20
21	418	594	661	1030	12500	5170	2050	1930 •	3290	710	642	980	21
22	459	616	650	1170	12200	4940	2340	1910	3510	726	642	1040	22
23	478	626	650	1260	11400	4870	2280	2000	3530	730	614	1060	23
24	475	630	647	1160	10600	4740	2060	2050	3530	627	650	1140	24
25	466	650	647	972	10000	4550	1990	2030	3170 •	599	706	1140	25
26	450	678	640	896	8970	4420	1960	2120	2690	574	778	1100	26
27	453	700	633	856	7690	4330	2010	2200	2320	557	841	1060	27
28	469	700	630	836	6850	4230	2100	2020	2000	566	764	1090	28
29	494	700	630	812		3970	2140	1880	1780	614	787	1120	29
30	498	706	626	800		3790	2170	1690	1620	630	733	1140	30
31	494		626	812		3610		1570		606	706		31
MEAN	410	593	711	804	5778	5933	2085	2621	3384	856	694	993	MEAN
MAX.	523	706	836	1260	12500	9830	3540	5460	5490	1600	841	1140	MAX.
MIN.	291	504	626	608	748	3610	1220	1570	1440	606	562	792	MIN.
AC. FT.	25190	35290	43750	49450	320900	364800	124100	161200	208100	52630	42670	59100	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2054	12600	22.85	2	21	1600	282	9.54	10	5		1487000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 40 34	121 15 51		79000	27.75	12/9/50	7/22-12/23 8	7/22-12/23 8				
						1/24-2/25	1/24-2/25	1931	1959	5.06	USCOS
						6/25-10/28 8	6/25-10/28 8	1959		0.00	USCOS
						5/29-DATE	5/29-DATE	1959		3.3	USED

Station located 30 ft. above the Durham Ferry Highway bridge, 3 mi. below the Stanislaus River, 3.4 mi. NE of Vernalis. Records furn. by USGS. Drainage area is approx. 14,010 sq. mi.

8 - Irrigation season only

TABLE 155

DAILY MEAN DISCHARGE

SOUTH SAN JOAQUIN I. D. DRAIN 11 NEAR MANTECA

IN SECOND FEET

STATION NO	WATER YEAR
800915	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.4	4.5	3.7	1.5	3.0	7.4E	6.3	18	56 E	14	13	26	1
2	4.2	4.3	3.8	1.3	3.2	7.4E	6.5#	23	27 E	25	16	26 E	2
3	3.1	4.2	3.8	1.2	3.0	7.4E	6.5E	22	14	23	20	22	3
4	3.1	4.3	3.7	1.3	2.9	7.4E	6.5E	16	8.0	16	23	22 E	4
5	3.0	4.7	3.7	1.5	2.8	7.4E	6.5E	13	5.5	20	25	25	5
6	2.9	4.3	3.6	1.6	2.8	7.4E	6.5E	15	16	19	30	26	6
7	2.8	4.0	3.6	1.7	2.8	7.4E	6.5E	21	20	15	35 E	32 E	7
8	2.8	3.9	3.6	1.8	2.8	7.0	6.5E	24 E	17	15	27	30 E	8
9	2.9	4.1	3.5	1.7	2.9	7.3	6.5E	18	21	16	19	34 E	9
10	2.9	3.9	3.7	1.6	3.4	24	6.3E	23	21	20	18	33 E	10
11	2.8	3.9	3.7	1.4	5.1	34 E	8.2E	21	25	24	17	33 E	11
12	3.0	4.2	3.7	2.3E	6.1	27	13	18	21	37 E	19	25 E	12
13	2.9	4.2	3.6	2.3E	6.8E	14	11	22	18	23	23 E	36 E	13
14	2.9	4.1	3.5	2.3E	7.7E	8.4	12	21	16	19	23 E	33 E	14
15	3.1	3.7	3.3	2.3E	7.4E	6.6	13	24	14	20	23 E	29 E	15
16	2.9	3.6	3.2	2.3E	7.4E	6.5	13	18	10	19	23 E	27	16
17	3.0	4.1	3.2	2.3E	7.4E	6.3	13	19	9.7	19	27 E	31	17
18	3.3E	3.7	3.3	2.3E	7.4E	6.4	13	18	14	16	26	36 E	18
19	3.7	3.8	3.5	2.3E	7.4E	7.0	15	25	17	14	27	37 E	19
20	4.3	4.3	3.0	2.3E	7.4E	6.5	14	32 E	15	19	28 E	35 E	20
21	5.6	4.0	2.8	2.3E	7.4E	6.9	23	32 E	20	16	24 E	39 E	21
22	3.5	4.0	2.7	2.3E	7.4E	7.2	14	18	24	18	32 E	48 E	22
23	5.2	3.9	2.7	2.3E	7.4E	7.1	13	11	22	24	24 E	45 E	23
24	5.0	3.7	2.7	2.3E	7.4E	7.0	13	12	24	19	19	41 E	24
25	3.1*	3.7	2.6	2.3E	7.4E	6.7	16	16 E	31	17	13	22	25
26	4.4	3.7	2.4*	2.3#	7.4E	6.6	14	16 E	26	18	15	15	26
27	4.2	3.7	2.3	3.2	7.4E	5.5	13 *	16 E	19	16 *	27	18	27
28	4.0	3.7	2.2	3.2	7.4E	4.4	14	16 E	14	14	24	25	28
29	4.6	3.6*	1.6	3.0		4.2	14	16 #	14 *	17	27	33	29
30	4.7	3.7	1.4	2.9		4.1	15	19	15	17	27 *	31 E	30
31	4.6		1.5	2.9		4.2		33 E		15	24		31
MEAN	3.8	4.0	3.1	2.1	5.7	8.9	11.3	19.9	19.1	18.8	23.2	30.5	MEAN
MAX.	5.6	4.7	3.8	3.2	7.7E	34.0E	23.0	33.0E	56.0E	37.0E	35.0E	48.0E	MAX.
MIN.	2.8	3.6	1.4	1.2	2.8	4.1	6.3	11.0	5.5	14.0	13.0	15.0	MIN.
AC. FT.	234	237	190	132	315	549	672	1222	1139	1158	1424	1815	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
12.6	NR					NR					9086

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 45 38	121 16 50	SW14 2S 6E				JAN 59-DATE	JAN 59-DATE	1959		0.00	LOCAL

Station located 400 ft. E of Walthall Slough, 1.9 mi. SE of junction of State Highway 120 and U. S. Highway 50, 4.3 mi. SW of Manteca. This is drainage returned to San Joaquin River via Walthall Slough. Data insufficient to compute flow during periods of backwater from San Joaquin River.

TABLE 156

DAILY MEAN DISCHARGE

FRENCH CAMP SLOUGH NEAR FRENCH CAMP

IN SECOND FEET

STATION NO	WATER YEAR
802805	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.9	1.8	14	0.5	0.6	72	20	19	37	1.2	2.6	7.6	1
2	0.6	48 E	20	0.6	0.2	57	21	7.3	34	0.1	2.2	9.1	2
3	0.1	5.0E	39	0.7	0.1	166	27	0.1	26	0.2	2.6	12	3
4	0.1	4.2	26	1.5	0.1	199	21	3.7	36	0.3	6.6	12	4
5	0.1	2.8	11	1.9	0.1	115	14	7.8	16	9.9	6.4	12	5
6	0.1	3.8	6.0	1.4	0.1	162	20	16	8.4	26	4.8	20	6
7	0.5	2.2	1.9	0.8	0.3	1390	18	5.0	14	8.2	5.7	24	7
8	0.3	1.4	0.8	0.6	7.3	1080	13	5.8	8.7	11	2.8	29	8
9	0.1	2.6	0.5	0.4	150 E	370	27	7.5	15	16	3.1	22	9
10	0.6	1.5	1.9	0.3E	650 E	301	23	5.7	14	18	4.8	10	10
11	2.8	1.1	2.0	0.3E	1250 E	211	25	4.2	21	10	5.8	6.4	11
12	2.2	0.9	2.2	0.3E	1690	107	41	3.7	20	15	14	13	12
13	3.6	1.3	1.2	0.3E	1660	87	33	13	16	20	18	18	13
14	3.2	1.1	0.9	0.3E	1720 *	71	44	21	7.8	12	15	22	14
15	2.5	1.1	0.5	0.3E	1710	52	45	18 *	8.8	5.1	9.5	15	15
16	4.3	1.1	0.5	0.2	1730	42	37	20	7.6	5.9	14	35	16
17	2.2	1.1	0.4	0.1	1820	35	31	47	15	3.6	18	43	17
18	1.8	2.8	0.3	0.1	1690	29	26	36	21	12	19	38	18
19	1.9	3.2	0.2	0.5	1580	25	38	43	24	26	13	51	19
20	1.2	5.3	0.2	1.6	1290	22	45	56	17	13	9.5	54	20
21	1.0	4.1	0.2	9.4	326	19	42	54	11	5.0	6.0	63	21
22	1.6	4.0	0.2	12	270	17	34	50	11	2.1	8.6	67	22
23	2.1	2.5	0.5	7.6	187	15	51	40	2.6	2.7	5.9	51	23
24	0.7	1.0*	0.4	3.8	119	15	34	24	12	6.2	8.0	36	24
25	0.9	0.7	0.7	2.2	97	19	27	29	23	5.7	6.9	32	25
26	1.7	0.4	1.0*	1.7*	93	19	31	30	10	2.1	7.9	30	26
27	3.4	0.2	1.6	1.6	115	15	30 *	44	1.4	0.9*	5.1	37	27
28	6.1	0.2	1.1	1.3	96	12	33	55	1.4	4.5	11	42	28
29	3.8	3.3	0.7	1.1		11	25	49 *	0.1*	5.6	8.7	48	29
30	2.2	1.2	0.7	1.2		13	21	73	0.5	3.9	12 *	54	30
31	2.3		0.7	1.3		19		56		3.1	9.8		31
MEAN	1.8	3.7	4.4	1.8	652	154	29.9	27.2	14.7	8.2	8.6	30.4	MEAN
MAX.	6.1	48.0E	39.0	12.0	1820	1390	51.0	73.0	37.0	26.0	19.0	67.0	MAX.
MIN.	0.1	0.2	0.2	0.1	0.1	11.0	13.0	0.1	0.1	0.1	2.2	6.4	MIN.
AC. FT.	113	218	272	111	36200	9455	1779	1674	873	506	530	1811	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
74.0	1870	9.36	2	17	0710	0.0		5	2	1000	53540

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 52 52	121 14 53	NE 6 1S 7E	3390	6.31	12/9/50	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY OCT 50-DATE	1950 1955	1955	0.00 4.00	LOCAL LOCAL

Station located at Airport Way bridge, 1.5 mi. E of French Camp. Supplementary water stage recorder located 0.5 mi. downstream. Tributary to San Joaquin River. Backwater from temporary diversion dam at times affects stage-discharge relationship. During those periods, supplementary recorder used for computations. Maximum discharge listed at gage ht., site and datum then in use.

TABLE 157

DAILY MEAN DISCHARGE

DUCK CREEK DIVERSION NEAR FARMINGTON

IN SECOND FEET

STATION NO	WATER YEAR
802920	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	83	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	406	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	196	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	286	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	331	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	59	3.5	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	406	83	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					3277	218							AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
4.8	730		2	10		0.0		10	1		3495

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 56 18	120 59 21	NE16 1N 9E	3690	7.65	4/2/58	SEP 51-DATE	SEP 51-DATE	1951		105.0	USCOS

Station located 1.0 mi. NE of Farmington. Flows are diversions from Duck Creek to Littlejohn Creek.
Records furn. by USCE. Drainage area is 28 sq. mi.

TABLE 158

DAILY MEAN DISCHARGE

LITTLEJOHN CREEK AT FARMINGTON

IN SECOND FEET

STATION NO	WATER YEAR
802870	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	84	11	5	4	6	5	6	1
3	0.0	0.0	0.0	0.0	0.0	101	10	6	6	5	3	8	2
3	0.0	0.0	0.0	0.0	0.0	200	7	6	6	4	1	5	3
4	0.0	0.0	0.0	0.0	0.0	169	6	7	5	3	0.8	6	4
5	0.0	0.0	0.0	0.0	0.0	113	5	6	3	4	3	2	5
6	0.0	0.0	0.0	0.0	0.0	386	5	6	3	4	2	2	6
7	0.0	0.0	0.0	0.0	0.0	1571	4	4	3	4	0.3	2	7
8	0.0	0.0	0.0	0.0	0.0	676	3	4	3	5	1	2	8
9	0.0	0.0	0.0	0.0	257	267	5	3	4	6	3	2	9
10	0.0	0.0	0.0	0.0	796	249	3	4	5	3	4	3	10
11	0.0	0.0	0.0	0.0	1340	160	3	5	5	2	4	2	11
12	0.0	0.0	0.0	0.0	1560	111	3	7	4	4	3	2	13
13	0.0	0.0	0.0	0.0	1580	101	4	8	3	6	3	3	12
14	0.0	0.0	0.0	0.0	1680	77	4	8	3	5	2	4	14
15	0.0	0.0	0.0	0.0	1590	70	4	8	3	3	2	3	15
16	0.0	0.0	0.0	0.0	1710	61	4	8	3	3	2	5	16
17	0.0	0.0	0.0	0.0	1840	53	5	9	4	3	2	4	17
18	0.0	0.0	0.0	0.0	1810	42	5	9	3	4	3	3	18
19	0.0	0.0	0.0	0.0	1730	37	5	9	5	3	3	5	19
30	0.0	0.0	0.0	0.0	983	32	5	9	5	3	3	2	20
31	0.0	0.0	0.0	0.0	245	24	4	7	4	3	4	2	31
32	0.0	0.0	0.0	0.0	222	21	4	6	3	2	2	3	22
33	0.0	0.0	0.0	0.0	148	20	3	5	4	2	4	4	33
34	0.0	0.0	0.0	0.0	116	22	3	3	3	2	2	3	34
35	0.0	0.0	0.0	0.0	109	32	5	3	1	0.9	0.2	3	23
26	0.0	0.0	0.0	0.0	118	21	5	5	2	2	0.6	4	26
37	0.0	0.0	0.0	0.0	129	18	5	8	2	3	2	4	27
28	0.0	0.0	0.0	0.0	102	16	6	7	3	2	2	3	28
29	0.0	0.0	0.0	0.0		14	4	7	3	2	3	3	29
30	0.0	0.0	0.0	0.0		13	5	6	4	3	2	3	30
31	0.0		0.0	0.0		12		4		3	3		31
MEAN	0.0	0.0	0.0	0.0	645	154	4.8	6.2	3.6	3.4	2.4	3.4	MEAN
MAX.	0.0	0.0	0.0	0.0	1840	1571	11	9	6	6	5	8	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	12	3	3	1	0.9	0.2	2	MIN.
AC. FT.					35832	9467	288	381	216	208	149	204	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
64.6	1890		2	17		0.0		10	1		46745

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 55 38	121 00 08	NE19 1N 9E	3590	15.40	4/3/58	JUN 52-DATE	JUN 52-DATE	1952		89.97	USCOS

Station located 340 ft. below Farmington-Escalon Highway bridge. Flows entering Littlejohn Creek via Duck Creek Diversion are included. Records furn. by USCE.

TABLE 159

DAILY MEAN DISCHARGE

DUCK CREEK NEAR STOCKTON

IN SECOND FEET

STATION NO	WATER YEAR
802835	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.3	1.3	0.4	0.0	0.0	0.8	0.0	4.3	3.6	1.1	1.8	5.5	1
2	2.7	0.8	1.4	0.0	0.0	0.7	0.0•	3.2	5.4	0.8	2.4	4.3	2
3	2.8	1.0	1.8	0.0	0.0	0.4	0.0	3.9	3.9	1.1	2.5	4.1	3
4	2.4	1.5	1.1	0.0	0.0	0.2	0.0	3.5	2.6	1.9	2.2	6.6	4
5	1.8	1.3	0.5	0.0	0.0	0.2	0.0	4.5	2.8	1.5	2.4	6.2	5
6	1.5	0.4	1.0	0.0	0.0	0.5	0.0	3.6	4.9	1.1	1.5	4.6	6
7	1.7	0.1	1.4	0.0	0.0	7.4	0.0	2.4	4.7	1.5	2.2	5.0	7
8	0.7	0.0	1.3	0.0	0.0	34	0.0	3.7	3.0	1.4	3.3	4.7	8
9	0.2	0.0	1.2	0.0	7.3	18	0.0•	7.0	2.1	2.3	2.3	3.2	9
10	2.3	0.5	1.0	0.0•	49	9.1	0.4	7.1	2.0	1.3	5.1	2.8	10
11	2.2	0.7	0.8	0.0	114	5.5	1.6	5.6	2.0	1.6	3.6	3.2	11
12	2.6	0.4	0.4	0.0	64	3.5	1.0	5.5	2.9	2.5	3.6	3.0	12
13	2.9	1.0	0.3	0.0	45	2.2	0.8	4.7	3.1	1.7	2.0	3.3	13
14	2.6	1.0	0.2	0.0	123	1.3	0.1	2.5	4.9	1.6	2.4	3.7	14
15	2.1	1.0	1.4	0.0	128	0.7	0.8	1.8	2.8	1.9	2.3	4.2	15
16	1.0	1.2	1.3	0.0	111	0.3	2.0	2.6	1.8	3.4	2.6	2.7	16
17	0.5	1.0	0.1	0.0	55	0.1	2.8	2.6	3.5	3.2	5.9	3.5	17
18	0.7	0.9	0.0	0.0	31	0.0	2.7	1.8	4.1	2.8	4.0	3.2	18
19	0.8	1.6	1.1	0.0	19	0.0	4.7	1.6	4.0	4.0	3.0	3.6E	19
20	1.2	1.7	1.9	0.0	30	0.0	5.3	1.4	2.2	4.9	3.2	3.6E	20
21	1.0	2.4	1.3	0.0	24	0.0	5.2	1.0	3.3	6.4	2.8	3.6E	21
22	0.1	1.2	0.1	0.0	15	0.0	6.4	2.6	2.9	4.0	4.0	3.6E	22
23	0.1	1.0	0.0	0.0	8.4	0.0	4.0	2.2	2.9	2.4	4.1	3.6E	23
24	0.1	2.1	0.0	0.0	5.3	0.0	4.2	2.7	3.8	1.6	2.8	3.6E	24
25	0.0•	1.6	0.0	0.0	3.7	0.0	4.6	2.2	2.5	1.2	3.1	3.6E	25
26	0.0	0.9	0.0•	0.0•	2.4	0.0	4.7	3.4	2.4	0.9	2.7	3.6E	26
27	0.1	0.6	0.0	0.0	1.7	0.0	7.2•	4.7	3.8	0.8•	3.1	3.6E	27
28	1.9	0.3	0.0	0.0	1.2	0.0	5.4	2.4	3.3	1.3	3.9	3.6E	28
29	2.5	0.1•	0.0	0.0		0.0	4.0	1.0•	1.7•	1.9	4.0	3.6E	29
30	1.4	0.2	0.0	0.0		0.0	3.6	1.9	1.4	1.8	4.0•	3.6E	30
31	1.1		0.0	0.0		0.0		1.8		0.8	2.7		31
MEAN	1.4	0.9	0.6	0.0	29.9	2.7	2.4	3.2	3.1	2.1	3.1	3.9	MEAN
MAX.	3.3	2.4	1.9	0.0	128	34.0	7.2	7.1	5.4	6.4	5.9	6.6	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.8	1.5	2.7	MIN.
AC. FT.	88	55	40		1662	168	142	197	187	128	189	232	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
4.3	142	8.89	2	15	1850	0.0		10	22	1910	3089

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 27	121 14 55	NW19 1N 7E	400	5.75	12/24/55	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	1957		0.00	LOCAL

Station located at Laurel Ave., 1.0 mi. W. of U. S. Highway 99, immediately S of Stockton. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approx. 2 mi. E of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek. Maximum discharge listed at gage ht., site and datum then in use.

TABLE 160

DAILY MEAN DISCHARGE

MORMON SLOUGH AT BELLOTA

IN SECOND FEET

STATION NO	WATER YEAR
802560	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	1.4	83	0.0	0.0	15	35	0.0	0.0	1
2	0.0	0.0	0.0	0.0	1.1	114	0.0*	0.0	45	28	0.0	0.0	2
3	0.0*	0.0	0.0	0.0	0.5	403	0.0	0.0	43	22	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.2	320	0.0	0.0	47	3.1	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	207	0.0	0.0	50	0.0*	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	1530	0.0	0.0	46	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.4	2480	0.0	0.0	47	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0*	5.9	1990	0.0	0.0	41	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	589	1120	0.0*	0.0	40 *	0.0*	0.0	0.0	9
10	0.0	0.0	0.0	0.0	2510	538	0.0	0.0	42 *	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	3070	351	0.0	0.0	47	0.0	0.0	0.0	11
12	0.0	0.0	0.0*	0.0	2420	283	0.0	0.0	49	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	2160	232	0.0	0.0	44	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	2180 *	164	0.0	0.0	45	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	3230	15	0.0	0.0	45	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	4180	0.0	0.0	0.0	44	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	3190	0.2	0.0	0.0	45	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	2440	0.0	0.0	0.0	41	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	1580	0.0	0.0	0.0	39	0.0	0.0	0.0	19
20	0.0	0.0*	0.0	0.0	832	0.0	0.0	0.0	42	0.0	0.0	0.0	20
21	0.0	0.0	0.0	37	643	0.0	0.0	0.0	47	0.0	0.0	0.0	21
22	0.0	0.0	0.0	68	432	0.0	0.0	0.0	46	0.0	0.0	0.0	22
23	0.0	0.0	0.0	14	280	0.0	0.0*	0.0	41	0.0	0.0	0.0	23
24	0.0	0.0	0.0	1.5	194	0.0	0.0	0.0	40	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	170	0.0	0.0	0.0*	35	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	163	0.0	0.0	0.0	32	0.0	0.0	0.0	26
27	0.0	0.0	0.0	2.6	137	0.0	0.0	0.0	33	0.0	0.0*	0.0	27
28	0.0	0.0	0.0	8.4	107	0.0	0.0	0.0	41	0.0	0.0	0.0	28
29	0.0	0.0	0.0	8.1		0.0	0.0	0.0	40	0.0	0.0	0.0	29
30	0.0	0.0	0.0	6.7		0.0	0.0	0.0	38	0.0	0.0	0.0	30
31	0.0		0.0	5.1		0.0		0.0*		0.0*	0.0		31
MEAN	0.0	0.0	0.0	4.9	1090	317	0.0	0.0	41.7	2.8	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	68.0	4180	2480	0.0	0.0	50.0	35.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	3.1	0.0	0.0	MIN.
AC. FT.				300	60530	19500			2479	175			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
114	4460	9.79	2	16	0840	0.0		10	1	0000	82980

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B R. M D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 03 10	121 00 37	SW 5 2N 9E				DEC 48-DATE	DEC 48-DATE	1952		0.00	LOCAL

Station located 0.2 mi. above Farmington-Bellota Highway bridge, 0.2 mi. E of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control division of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal.

TABLE 161

DAILY MEAN DISCHARGE

STOCKTON DIVERTING CANAL AT STOCKTON

IN SECOND FEET

STATION NO	WATER YEAR
898980	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	106	0.0	0.0	0.0	11	0.0e	0.0	1
2	0.0	0.0	0.0	0.0	0.0	89	0.0e	0.0	0.0	24	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	330	0.0	0.0	0.0	2.0	0.0	0.0	3
4	0.0e	0.0	0.0	0.0	0.0	338	0.0	0.0	0.8	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	212	0.0	0.0	17	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	1280	0.0	0.0	18e	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	2720	0.0	0.0	10	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0e	0.0	2070	0.0	0.0	14	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	347	1160	0.0	0.0	3.1	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	2560	523	0.0	0.0	0.8e	0.0e	0.0	0.0	10
11	0.0	0.0	0.0	0.0	3890	296	0.0	0.0	0.4	0.0	0.0	0.0	11
12	0.0	0.0	0.0e	0.0	2740	227	0.0	0.0	0.2	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	2380	199	0.0	0.0	1.7	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	2600e	153	0.0	0.0	0.4	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	3660	90	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	4710	8.9	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	3510	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	2570	0.0	0.0	0.0	0.0e	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	1730	0.0	0.0	0.0	0.1	0.0	0.0	0.0	19
20	0.0	0.1	0.0	0.0	864	0.0	0.0	0.0	0.0e	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	619	0.0	0.0	0.0	2.2	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	446	0.0	0.0	0.0	14	0.0	0.0	0.0	22
23	0.0	0.0	0.0	12	272	0.0	0.0e	0.0	19	0.0	0.0	0.0	23
24	0.0	0.0	0.0	8.2	195	0.0	0.0	0.0	19	0.0	0.0	0.0	24
25	0.0	0.0	0.0	1.2	164	0.0	0.0	0.0e	13	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	155	0.0	0.0	0.0	4.4	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	149	0.0	0.0	0.0	3.5	0.0	0.0e	0.0	27
28	0.0	0.0	0.0	0.0	127	0.0	0.0	0.0	2.3	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	11e	0.0	0.0	0.0	29
30	0.0	0.1	0.0	0.0		0.0	0.0	0.0	17	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.7	1203	316	0.0	0.0	5.7	1.2	0.0	0.0	MEAN
MAX.	0.0	0.1	0.0	12.0	4710	2720	0.0	0.0	19.0	24.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.				42	66820	19440			341	73			AC. FT.

e — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
119	5060	13.45	2	16	1030	0.0		10	1	0000	86720

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 59 01	121 15 09	NW31 2N 7E	11400E	17.10E	4/4/58E	JAN 44-DATE	JAN 44-DATE	1954		0.00	LOCAL

Station located 200 ft. below Waterloo Road bridge, immediately NE of Stockton. This is water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal. During high flow periods, overflow from Calaveras River and Duck Creek may be included.

TABLE 162

DAILY MEAN DISCHARGE

CALAVERAS RIVER AT BELLOTA

IN SECOND FEET

STATION NO	WATER YEAR
802555	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	90 E	3.2	0.0E	49	111	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	90 E	2.3*	0.0E	158	92	0.0	0.0	2
3	0.0*	0.0	0.0	0.0	0.0	110 E	1.1	0.0E	144	80	0.0	0.0	3
4	0.0*	0.0	0.0	0.0	0.0	106 E	0.6	0.0E	138	44	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	100 E	0.2	0.0E	134	8.8*	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	200 E	0.0	0.0E	126	2.6	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	280 E	0.0	0.0E	128	1.1	0.0	0.0	7
8	0.0	0.0	0.0	0.0*	0.0	220 E	0.0	0.0E	113	0.5	0.0	0.0	8
9	0.0	0.0	0.0	0.0	91	175 E	0.0*	0.0E	111 *	0.0*	0.0	0.0	9
10	0.0	0.0	0.0	0.0	317	130 E	0.0	0.0E	118	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	353	120 E	0.0	0.0E	147	0.0	0.0	0.0	11
12	0.0	0.0	0.0*	0.0	301	110 E	0.0	0.0E	154	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	275	100 E	0.0	0.0E	133	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	273 *	95	0.0	0.0E	129	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	343	65	0.0	0.0E	125	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	395	32	0.0	0.0E	123	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	339	21	0.0	0.0E	123	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	293	18	0.0	0.0E	117 *	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	232	15	0.0	0.0E	122	0.0	0.0	0.0	19
20	0.0	0.0*	0.0	0.0	170	12	0.0	0.0E	138 *	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	153	12	0.0	0.0E	154	0.0	0.0	0.0	21
22	0.0	0.0	0.0	24	130 E	11	0.0	0.0E	149	0.0	0.0	0.0	22
23	0.0	0.0	0.0	40	115 E	11	0.0#	0.0E	132	0.0	0.0	0.0	23
24	0.0	0.0	0.0	36	104 E	11	0.0E	0.0E	127	0.0	0.0	0.0	24
25	0.0	0.0	0.0	29	100 E	11	0.0E	0.0#	115	0.0	0.0	0.0	25
26	0.0	0.0	0.0	26	100 E	8.9	0.0E	0.0	109	0.0	0.0	0.0	26
27	0.0	0.0	0.0	12	98 E	7.5	0.0E	0.0	112	0.0	0.0*	0.0	27
28	0.0	0.0	0.0	0.0	96 E	6.3	0.0E	0.0	131	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		5.5	0.0E	0.0	127	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		4.6	0.0E	0.0	123	0.0	0.0	0.0	30
31	0.0		0.0	0.0		3.8		0.0*		0.0 *	0.0		31
MEAN	0.0	0.0	0.0	5.4	153	70.4	0.2	0.0	127	11.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	40.0	395	280 E	3.2	0.0E	158	111	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	3.8	0.0E	0.0E	49.0	0.0	0.0	0.0	MIN.
AC. FT.				331	8485	4327	15		7555	674			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
29.5	418	8.76	1	16	0700	0.0	10	1	0000		21390

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 03 13	121 00 45	SW 5 2N 9E				NOV 48-DATE	NOV 48-DATE			0.00	LOCAL

Station located 100 ft. above State Highway 8 bridge, 100 ft. below head gates. Flow regulated by head gates operated by Stockton East San Joaquin Water Conaervation District.

TABLE 163

DAILY MEAN DISCHARGE

CALAVERAS RIVER NEAR STOCKTON

IN SECOND FEET

STATION NO	WATER YEAR
802520	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	76	2.9	0.0	0.0	19	0.0*	0.3	1
2	0.0	0.0	0.0	0.0	0.0	72	5.7*	0.0	0.0	18	0.0	0.1	2
3	0.0	0.0	0.0	0.0	0.0	95	4.6	0.0	0.0	2.5	0.0	0.1	3
4	0.0*	0.0	0.4E	0.0	0.0	100	3.5	0.0	39	0.0	0.0	0.1	4
5	0.0	0.0	11 E	0.0	0.0	88	1.6	0.0	49	0.0	0.0	0.0	5
6	0.0	0.0	3.6E	0.0	0.0	123	1.0	0.0	31	0.0	0.1	0.0	6
7	0.0	0.0	0.1E	0.0	0.0	250	1.3	0.0	26	0.0	0.3	0.0	7
8	0.0	0.0	0.0	0.0*	0.0	203	1.1	0.0	17	0.0	0.2	0.0	8
9	0.0	0.0	0.0	0.0	0.0	161	2.5*	0.0	5.5	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	193	115	2.4*	0.0	0.9	0.0*	0.0	0.0	10
11	0.0	0.0	0.0	0.0	317	96	1.2	0.0	3.7	0.0	0.0	0.0	11
12	0.0	0.0	0.0*	0.0	267	87	0.4	0.0	31	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	246	84	0.7	0.0	35	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	249 *	79	1.3	0.0	26	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	290	64	1.2	0.0	17	0.6	0.0	0.0	15
16	0.0	0.0	0.0	0.0	337 E	36	0.1	2.1	12	0.1	0.0	0.0	16
17	0.0	0.0	0.0	0.0	321	17	0.0	2.4	15	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	279	7.8	0.0	2.1*	9.2	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	243	5.7	0.0	2.5	0.1	0.0	0.0	0.0	19
20	0.0	0.0*	0.0	0.0	177	1.3	0.0	0.2	0.0*	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	143	0.1	0.0	0.9	1.4	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	125	0.2	0.2	1.9	12	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	106	0.0	1.6	1.2	14	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	93	0.0	1.4	0.4	23	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	88	0.0	1.9	0.0	23	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	87	0.0	0.9	0.0	3.1	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	86	0.0	1.2	1.7	0.1	0.0	0.0*	0.0	27
28	0.0	0.0	0.0	0.0	83	0.0	0.1	3.7	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.1	1.5	1.4*	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.1	4.1	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.5		31
MEAN	0.0	0.0	0.5	0.0	133	56.8	1.3	0.7	13.3	1.3	0.0	0.0	MEAN
MAX.	0.0	0.0	11.0E	0.0	337 E	250	5.7	3.7	49.0	19.0	0.5	0.3	MAX.
MIN.	0.0	0.0	0.0E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			30		7398	3493	77	41	792	80	2	1	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
16.5	374 E	9.39	2	16	1740	0.0		10	1	0000	11920

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 00 45	121 14 23	NE19 2N 7E	632	9.20	4/4/58	DEC 48-DATE	DEC 48-DATE	1959		0.00	LOCAL

Station located 0.5 mi. above U. S. Highway 99 bridge, 4 mi. NE of Stockton. Summer flows regulated by removable diversion dam 40 ft. above station operated by Stockton East San Joaquin Water Conservation District.
Maximum discharge listed at gage height, site and datum then in use.

TABLE 164

DAILY MEAN DISCHARGE

ORY CREEK NEAR IONE
IN SECOND FEET

STATION NO	WATER YEAR
801526	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	1.8	28	17 E	6.6	1.2	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	1.6	158 *	16 E	5.8	1.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	1.5	105	15 E	5.4*	0.9	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	1.5	72	14	5.1	0.7	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	1.5	73	13	4.6	0.6	0.0	0.0	0.0	5
6	0.0*	0.0	0.0	0.0	1.6	569 E	12	4.2	0.5	0.0*	0.0	0.0	6
7	0.0	0.0	0.0	0.0	4.5	331	11	4.1	0.4	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	7.5	166	11	3.6	0.3	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0*	184 *	109	11	3.3	0.4	0.0	0.0*	0.0	9
10	0.0	0.0*	0.0	0.0	528 E	79	10	3.2	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	257	66	9.4	3.0	0.3	0.0	0.0	0.0	11
12	0.0	0.0	0.0*	0.0	122	53	9.2	3.0	0.3	0.0	0.0	0.0*	12
13	0.0	0.0	0.0	0.1	436	46	8.9	3.2	0.2	0.0	0.0	0.0	13
14	0.0	0.0	0.0	1.0	407 E	40	8.7	3.3	0.2	0.0	0.0	0.0	14
15	0.0	0.0	0.0	1.3	886 E	35	7.9	3.7	0.1	0.0	0.0	0.0	15
16	0.0	0.0	0.0	1.2	621 E	33	7.5	3.6	0.1	0.0	0.0	0.0	16
17	0.0	0.0	0.0	1.2	253	30	7.1	3.4	0.1	0.0	0.0	0.0	17
18	0.0	0.0	0.0	1.2	137	28	6.7	2.7	0.1	0.0	0.0	0.0	18
19	0.0*	0.0	0.0	2.8	136	24	8.8*	2.5	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	16	108	24	15	2.3	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	8.3	82 *	22	10	2.1	0.0	0.0	0.0	0.0	21
22	0.0	0.0*	0.0	5.0	64	53	8.8	1.9	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	3.2*	52	49	7.4	1.8	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	2.5	47	34	6.4	1.8	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	2.3	42	29	6.0	1.6	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	2.3	40	26	6.0	1.8	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0*	2.1	33	24	6.9	2.3	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	1.9	28	22	16	2.3	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	1.8		20	11	2.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	1.7		19 E	7.7	1.7	0.0	0.0	0.0	0.0	30
31	0.0		0.0	1.7		18 E		1.5*		0.0	0.0		31
MEAN	0.0	0.0	0.0	1.9	160	76.9	10.2	3.1	0.3	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	16.0	886 E	569 E	17.0E	6.6	1.2	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	1.5	18.0E	6.0	1.5	0.0	0.0	0.0	0.0	MIN.
AC. FT.				114	8895	4731	606	193	15				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
20.1	1450 E	7.40	2	15	0420	0.0		10	1	0000	14550

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 24 54	120 54 18	SW32 7N 10E	1450E	7.40	2/15/62	FEB 60-DATE	FEB 60-DATE	1960		0.00	LOCAL

Station located 1,000 ft. below State Highway 104 bridge, 4.6 mi. N of Ione. Tributary to Cosumnes River.
Drainage area is 70.8 sq. mi.

TABLE 165

DAILY MEAN DISCHARGE

SUTTER CREEK NEAR SUTTER CREEK
IN SECOND FEET

STATION NO	WATER YEAR
815250	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	4.4•	2.4	5.3	20	20	9.2	4.6	0.0	0.0	0.0	1
2	0.0	0.0	11	2.4	5.0	127	19	8.8	4.4	0.0	0.0	0.0	2
3	0.0	0.0	15	2.6	4.8	88	18 •	8.6•	3.7	0.0	0.0	0.0	3
4	0.0	0.0	6.4	2.6	4.5	63	17	8.2	3.1	0.0	0.0	0.0	4
5	0.0	0.0	4.3	2.6	4.4	61	15	7.6	2.8	0.0	0.0	0.0	5
6	0.0•	0.0	3.5	2.6	4.7	346 #	14	7.3	2.5	0.0•	0.0	0.0	6
7	0.0	0.0	2.9	2.6	7.6	220 •	13	7.2	2.4	0.0	0.0	0.0	7
8	0.0	0.0	2.7	2.6	18	128	13	6.7	2.4	0.0	0.0	0.0	8
9	0.0	0.0	2.5	2.6	123	93	14	6.7	2.2	0.0	0.0•	0.0	9
10	0.0	0.0•	2.5	2.6	389 E	73	13	6.5	2.1	0.0	0.0	0.0	10
11	0.0	0.0	2.5	2.6	167	64	12	6.5	2.0	0.0	0.0	0.0	11
12	0.0	0.0	2.4	2.9	83	59	12	6.8	2.4	0.0	0.0	0.0•	12
13	0.0	0.0	2.3	3.3	233	50	11	7.1	2.4	0.0	0.0	0.0	13
14	0.0	0.0	2.3	3.2	223	40	11	7.2	2.5	0.0	0.0	0.0	14
15	0.0	0.0	2.2	3.0	460 E	36	11	7.7	2.7	0.0	0.0	0.0	15
16	0.0	0.0	2.1	2.8	289	31	11	7.2	2.9	0.0	0.0	0.0	16
17	0.0	0.0	2.1	2.8	164	29	10	6.7	2.8	0.0	0.0	0.0	17
18	0.0	0.0	2.4	2.9	103	26	10	6.3	2.2	0.0	0.0	0.0	18
19	0.0•	0.0	2.7	5.0	93	24	12	6.1	2.0	0.0	0.0	0.0	19
20	0.0	0.0	3.2	41	76	22	16	5.9	1.6	0.0	0.0	0.0	20
21	0.0	0.0	3.5	19	61 •	23	12	5.5	1.3•	0.0	0.0	0.0	21
22	0.0	0.0•	3.3	12	46	54	11	5.3	1.1	0.0	0.0	0.0	22
23	0.0	0.0	3.1	8.7•	36	61	9.6	5.5	0.9	0.0	0.0	0.0	23
24	0.0	0.0	3.0	7.3	34	49	9.1	5.4	0.8	0.0	0.0	0.0	24
25	0.0	0.0	2.8	6.8	32	38	8.8	5.4	0.6	0.0•	0.0	0.0	25
26	0.0•	0.0	2.8	6.3	28	31	8.8	5.4	0.5	0.0	0.0	0.0	26
27	0.0	0.0	2.8•	6.1	25	28	9.1	6.0	0.3	0.0	0.0	0.0	27
28	0.0	0.0	2.6	5.9	21	25	20	6.0	0.2	0.0	0.0	0.0	28
29	0.0	0.0	2.6	5.7		23	13	5.6	0.1	0.0	0.0	0.0	29
30	0.0	0.0	2.5	5.5		23	10	5.5	0.1	0.0	0.0	0.0	30
31	0.0		2.4	5.4		21		4.9•		0.0	0.0		31
MEAN	0.0	0.0	3.6	5.9	97.9	63.7	12.8	6.6	2.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	15.0	41.0	460 E	346 E	20.0	9.2	4.6	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	2.1	2.4	4.4	20.0	8.8	4.9	0.1	0.0	0.0	0.0	MIN.
AC. FT.			220	365	5435	3919	760	406	118				AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.5	656 E	3.04	2	10	0820	0.0		10	1	0000	11220

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 23 46	120 46 49	SE 5 6N 11E	3900	12.0	2/22/36	JAN 36-DEC 41 MAR 60-DATE	JAN 36-DEC 41 MAR 60-DATE	1960		0.00	LOCAL

Station located 0.4 mi. below Volcano Road bridge, 1.3 mi. E of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Maximum discharge listed at gage ht., site and datum then in use. Drainage area is 50.6 sq. mi.

TABLE 166

DAILY MEAN DISCHARGE

DEER CREEK NEAR SLOUGHHOUSE

IN SECOND FEET

STATION NO	WATER YEAR
801580	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2.5	18	7.2	3.1	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	2.4	123	7.2	2.8	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	2.2	54	6.9e	2.6	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	2.2	36	6.7	2.4	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	2.1	42	6.3	2.2	0.0	0.0	0.0	0.0	5
6	0.0e	0.0	0.0	0.0	2.3	451	5.5	1.8	0.0	0.0e	0.0	0.0	6
7	0.0	0.0	0.0	0.0	14	202	5.2	1.6	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	15 e	74	5.0	1.4	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	248	49	4.8	1.2	0.0	0.0	0.0e	0.0	9
10	0.0	0.0e	0.0	0.0	1470 e	37	4.5	1.1	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	388	30	4.1	0.9	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0e	0.0e	136	26	4.1	0.8	0.0	0.0	0.0	0.0e	12
13	0.0	0.0	0.0	0.0	699	23	4.0	0.9	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	687	20	4.0	0.9	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	847	18	3.8	1.1	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	319	17	3.6	1.2	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	139	15	3.5	1.1	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	79	14	3.1	0.9	0.0	0.0	0.0	0.0	18
19	0.0e	0.0	0.0	0.0	84	13	3.4e	0.6	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	5.1	54	12	5.0	0.4	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	16	40	12	5.2	0.3	0.0e	0.0	0.0	0.0	21
22	0.0	0.0e	0.0	7.7	33	13	4.1	0.2	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	6.7e	29	16	3.5	0.1	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	7.6	25	12	2.7	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	5.7	23	10	2.5	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	4.3	24	9.1e	2.3	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0e	3.5	21	8.5	2.4	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	3.1	18	8.0	3.6	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	2.9		7.4	5.1	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	2.6		7.2	3.8	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	2.4		7.2		0.0e		0.0	0.0		31
MEAN	0.0	0.0	0.0	2.2	193	44.7	4.4	1.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	16.0	1470	451	7.2	3.1	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	2.1	7.2	2.3	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.				134	10720	2746	264	59					AC. FT.

e — ESTIMATED
NR — NO RECORD
e — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND e

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19.2	2120	9.80	2	20	1340	0.0		10	1	0000	13920

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 33 06	121 06 30	NW16 8N 8E	3100E	10.45	2/8/60	NOV 59-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Scott Road bridge, 5.5 mi. NE of Sloughhouae. Tributary to Cosumnes River.
Drainage area is 46.9 aq. mi.

TABLE 167

DAILY MEAN DISCHARGE

DELTA MENDOTA CANAL NEAR TRACY

IN SECOND FEET

STATION NO	WATER YEAR
B95925	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2775	643	356	69	606	142	2086	3201	2816	3945	4154	2521	1
2	2023	679	357	69	644	142	2268	3170	2950	3851	4042	2523	2
3	2042	679	253	68	644	142	2268	3242	2958	3807	3904	2517	3
4	2036	678	389	69	499	142	2267	3243	2959	3737	3898	2301	4
5	2021	678	248	69	500	142	2266	3241	3020	3739	3695	2300	5
6	2023	678	247	69	499	143	2407	3236	3282	3733	3868	2300	6
7	2022	655	212	69	500	760	2407	3246	3455	3728	3891	2195	7
8	2259	642	247	69	466	322	2412	3196	3632	3792	3683	2201	8
9	1976	607	392	69	286	432	2589	3160	3627	3790	3685	2205	9
10	2017	608	319	68	0.0	433	2778	3213	4006	4037	3561	2206	10
11	1704	607	248	68	0.0	577	2706	3111	3676	4141	3408	1952	11
12	1024	606	248	138	0.0	577	2740	3006	3614	4202	3409	1774	12
13	1025	678	248	320	0.0	576	2745	3015	3820	4160	3303	1667	13
14	959	678	249	320	0.0	575	2818	3011	4018	4312	3300	1736	14
15	959	679	249	320	0.0	930	2649	2747	4014	4434	3494	1824	15
16	960	463	284	535	0.0	867	2643	2686	3916	4313	3769	1625	16
17	927	463	284	535	0.0	867	2743	2516	3916	4409	3769	1719	17
18	926	462	212	933	0.0	866	2608	2522	3850	4205	3769	1669	18
19	928	463	69	1183	0.0	868	2814	2520	3738	4168	3767	1734	19
20	927	465	69	1192	70	867	2639	2521	3736	4160	3770	1735	20
21	927	464	69	1186	36	930	2720	2409	3743	4150	3707	1604	21
22	925	463	69	716	106	1432	2707	2410	3928	4146	3711	1605	22
23	862	534	69	104	106	1430	2714	2376	3926	4146	3650	1642	23
24	862	608	69	104	105	1193	2732	2377	3907	4077	3647	1642	24
25	863	610	69	280	141	1193	2932	2579	3862	4081	3643	1989	25
26	865	609	68	319	141	1191	3052	2876	3860	4085	3554	1987	26
27	863	535	68	142	141	1661	3120	2878	3862	4161	3222	2026	27
28	863	535	68	260	141	1733	3123	2879	3904	4227	2848	1964	28
29	861	535	68	318		1735	3214 A	2811	3911	4295	2752	2020	29
30	859	427	68	496		1733	3050	2813	3948	4294	2718	1976	30
31	642		68	463		1980		2847		4153	2556		31
MEAN	1320	581	191	343	201	857	2682	2874	3669	4080	3560	2007	MEAN
MAX.	2775	679	392	1192	644	1980	3214	3246	4018	4434	4154	2523	MAX.
MIN.	642	427	68	68	0.0	142	2088	2377	2616	3728	2556	1667	MIN.
AC. FT.	81181	34574	11768	21108	11173	52723	159644	176699	218289	250909	218949	119367	AC. FT.

e — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1874	NR					NR					1356384

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 45	121 35 05	SW31 1S 4E				JUN 51-DATE		1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 mi. SE of Byron, 10 mi. NW of Tracy. Diacharge computed from records of operation of pumpa. Water ia diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it ia lifted about 200 ft. into canal. Records furn. by USBR.

TABLE 168

DAILY MEAN DISCHARGE

CONTRA COSTA CANAL NEAR OAKLEY

IN SECOND FEET

STATION NO	WATER YEAR
B95910	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	121	103	92	46	68	50	49	78	112	126	158	149	1
2	119	99	92	52	63	49	51	81	112	132	167	131	2
3	129	98	91	51	67	46	86	85	107	123	159	88	3
4	145	94	82	56	57	47	98	88	107	116	154	139	4
5	143	95	82	55	66	48	88	94	111	122	149	147	5
6	133	103	78	55	72	47	77	93	113	123	146	164	6
7	119	100	70	56	69	48	54	96	115	129	158	154	7
8	112	103	71	54	72	47	52	104	138	129	161	152	8
9	115	103	69	60	70	48	79	90	138	139	161	145	9
10	110	117	65	59	72	47	84	89	129	140	167	146	10
11	111	107	65	60	67	47	70	84	130	146	162	164	11
12	111	106	63	59	61	45	76	84	127	149	163	165	12
13	117	108	55	58	50	46	74	72	131	146	169	158	13
14	129	113	55	62	50	46	68	72	125	150	170	156	14
15	122	115	55	65	51	47	78	80	132	149	172	137	15
16	119	110	55	61	48	49	69	80	132	153	173	127	16
17	144	118	56	71	46	46	72	85	134	169	175	125	17
18	147	117	50	70	48	47	78	86	140	168	165	122	18
19	130	114	50	69	48	47	80	88	144	165	156	126	19
20	130	110	52	72	48	50	76	94	148	167	159	120	20
21	107	105	52	65	48	51	77	93	149	165	163	124	21
22	110	100	56	71	47	52	75	94	142	162	164	124	22
23	132	99	52	68	48	48	75	97	138	166	165	129	23
24	109	100	52	64	47	47	74	94	131	165	163	128	24
25	114	90	50	58	47	49	76	93	131	160	158	124	25
26	117	90	51	61	46	45	73	94	133	154	155	124	26
27	114	97	51	60	42	45	74	89	138	159	154	113	27
28	102	92	50	60	55	44	73	88	137	157	157	115	28
29	94	92	51	58		50	73 A	93	138	151	161	125	29
30	108	97	47	61		50	76	96	139	149	154	120	30
31	108		46	64		49		101		157	153		31
MEAN	120	103	61.5	60.7	56.2	47.7	73.4	88.9	130	148	161	135	MEAN
MAX.	147	118	92	72	72	52	98	104	149	169	175	165	MAX.
MIN.	94	90	46	46	42	44	49	72	107	116	146	88	MIN.
AC. FT.	7381	6139	3781	3731	3120	2930	4368	5464	7738	9096	9900	8015	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

A — 29 not a day

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
99.0	NR					NR					71663

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 59 45	121 42 00	NE25 2N 2E				FEB 50-DATE	FEB 50-DEC 52	1950	1952	121.72	USCGS

Station located at Pumping Plant No. 1, 0.7 mi. E of Oakley, 2.6 mi. NW of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 ft. into canal. Records furn. by USBR.

TABLE 169

DAILY MEAN DISCHARGE

NORTH FORK TULE RIVER AT SPRINGVILLE

IN SECOND FEET

STATION NO	WATER YEAR
C32100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.4	0.7	1.5	14	52	115	50	20	1.6	1.5	0.4	1
2	0.0	0.4	0.4	1.5	14	55	121	52	22	1.8	1.3	0.5	2
3	0.0	0.4*	4.0	1.4	13	55 *	109	55	26	1.4*	1.1	0.5	3
4	0.0	0.1	2.6	1.1*	12	48	115 *	62 *	25	1.0	0.9	0.3	4
5	0.0	0.1	1.6	1.1	11	51	134	67	22	1.0	0.5	0.3	5
6	0.0	0.2	1.5*	1.2	11	134	163	67	19 *	0.9	0.3	0.3	6
7	0.0	0.2	1.8	0.9	26 *	140	191	65	18	0.9	0.2	0.3	7
8	0.0	0.2	1.1	0.8	196	104	196	61	19	1.0	0.2	0.3	8
9	0.0	0.2	1.0	0.8	301 *	95	199	55	16	1.0	0.3	0.4	9
10	0.0	0.2	0.7	0.6	579 *	81	172	52	18	0.8	0.4	0.5	10
11	0.0	0.2	0.7	0.7	466	71	151	48	18	0.8	0.3	0.4	11
12	0.0	0.2	0.7	0.6	349 *	63	152	50	16	0.9	0.5	0.5	12
13	0.0	0.2	0.7	2.8	160	59	152	47	14	1.2	0.3	0.7	13
14	0.1	0.2	0.7	2.4	145	55	154	48	14	1.1	0.2	0.9	14
15	0.3	0.2	0.8	1.6	200	55	144	45	20	1.0	0.3	0.9	15
16	0.1	0.2	1.0	1.6	242	55	122	44	20	1.1	0.6	0.9	16
17	0.0	0.2*	1.0	1.5	178	53	110	41	15	1.1	0.6	0.8	17
18	0.1	0.2	1.1	1.4	123	51	109 *	41	13	1.0	0.5	0.6	18
19	0.0	0.2	1.1	1.6	260	52	107	38	10	0.6	0.3	0.7	19
20	0.0	0.4	1.0	56	186	56	93	36	8.6	0.5	0.5	0.6	20
21	0.2	0.2	1.2	28	119	53	79	32	7.3	0.3	0.3	0.7	21
22	0.3	0.1	1.2	13	90	57	72	28	6.0	0.2	0.2	0.4	22
23	0.4	0.1	1.9	8.4	74	64	75	26	5.0	0.2	0.2	0.3	23
24	0.4	0.1	2.0	6.9	76	53	77	26	4.8	0.2	0.3	0.2	24
25	0.3	0.4	1.9	6.4	69	57	75	26	4.2	0.2	0.3	0.2	25
26	0.2	0.6	2.0	6.3	70	70	65	26	3.2	0.2	0.2	0.4	26
27	0.3	0.5	2.0	6.8	59	94	58	29	2.7	0.1	0.3	0.4	27
28	0.2	0.5	2.2	8.1	55	123	62	28	2.2	0.8	0.6	0.8	28
29	0.2	0.6	2.0	11		115	61	24	1.9	1.4	0.4	1.1	29
30	0.3	0.7	1.6	12		99	55	22	1.7	1.5	0.4	0.9	30
31	0.3		1.5	13		96		20		1.8	0.7		31
MEAN	0.1	0.3	1.4	6.5	146	73.1	116	42.3	13.2	0.9	0.5	0.5	MEAN
MAX.	0.4	0.7	4.0	56.0	579	140	199	67.0	26.0	1.8	1.5	1.1	MAX.
MIN.	0.0	0.1	0.4	0.7	11.0	48.0	55.0	20.0	1.7	0.1	0.2	0.2	MIN.
AC. FT.	7	17	87	399	8128	4495	6918	2600	783	55	29	32	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
32.5	698	7.52	2	9	2400	0.0		10	1	0000	23550

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
36 08 23	118 48 16	SE35 20S 29E	2070	9.27	5/19/57	FEB 57-DATE	FEB 57-DATE	1957		3.75	LOCAL

Station located at State Highway 190 Bridge, 0.8 mi. NE of Springville. Drainage area is 97.9 sq. mi.

TABLE 170

DAILY MEAN DISCHARGE
PORTER SLOUGH AT PORTERVILLE
IN SECOND FEET

STATION NO	WATER YEAR
C03182	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	18	0.0	26 E	22	0.0	31	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	11 E	22	0.0	31	0.0	2
3	0.0	0.0•	0.0	0.0	0.0	0.0	0.0	9.6E	23	0.0	31	0.0	3
4	0.0	0.0	0.0	0.0•	0.0	0.0	0.0	5.2#	22	0.0	33	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	33	0.0	5
6	0.0	0.0	0.0•	0.0	0.0	0.0	0.0	0.0	25 •	0.0	30 •	0.0	6
7	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	29	0.0	31	0.0	7
8	0.0	0.0	0.0	0.0	8.7E	22	0.0	0.0	28	0.0	29	0.0	8
9	0.0	0.0	0.0	0.0	65 #	22	0.0	0.0	NR	0.0	29	0.0	9
10	0.0	0.0	0.0	0.0	51 #	34	11	0.0	NR	0.0	28	11	10
11	0.0	0.0	0.0	0.0	37 •	33	23 E	0.0	NR	18	27	33	11
12	0.0	0.0	0.0	0.0	35 E	34	10 E	0.0	NR	33	26	39	12
13	0.0	0.0	0.0	0.0	46 E	28	18 E	0.0	NR	42	26	40 •	13
14	0.0	0.0	0.0	0.0	38 E	2.9	30	0.0	NR	43	24	29	14
15	0.0	0.0	0.0	0.0	24 E	0.0	32	0.0	NR	34	24	0.0	15
16	0.0	0.0	0.0	0.0	51 #	0.0	32	0.0	0.0	30	24	0.0	16
17	0.0	0.0	0.0	0.0	60	0.0•	34	0.0	0.0	14	24	0.0	17
18	0.0	0.0	0.0	0.0	58	0.0	35 •	0.0	0.0	0.0	23	0.0	18
19	0.0*	0.0	0.0	0.0	40	0.0	33	0.0	0.0	0.0	23	0.0	19
20	0.0	0.0	0.0	0.0	62	0.0	33	0.0	0.0	0.0	25	0.0	20
21	0.0	0.0	0.0	5.4	53	0.0	34	11	0.0	0.0	29	0.0	21
22	0.0	0.0	0.0	4.2	41	0.0	32	31	0.0	4.8	36	0.0	22
23	0.0	0.0	0.0	0.0	37	0.0	31	37	0.0	32	34	0.0	23
24	0.0	0.0	0.0	0.0	39	0.0	34	35	0.0	37	33	0.0	24
25	0.0	0.0	0.0	0.0	39	0.0	31	32	0.0	36	32	0.0	25
26	0.0	0.0	0.0	0.0	39	0.0	30	32	0.0	37	30	0.0	26
27	0.0	0.0	0.0	0.0	44	0.0	31	34	0.0	37	27	0.0	27
28	0.0	0.0	0.0	0.0	38	0.0	32	33	0.0	33	9.4	0.0	28
29	0.0	0.0	0.0	0.0		0.0	35	26	0.0	29	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	36	23	0.0	30	0.0	0.0	30
31	0.0		0.0	0.0		0.0		22		31	0.0		31
MEAN	0.0	0.0	0.0	0.3	32.3	6.7	20.6	11.9	NR	16.8	25.2	5.1	MEAN
MAX.	0.0	0.0	0.0	5.4	65.0E	34.0	36.0	37.0	NR	43.0	36.0	40.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	NR	0.0	9.4	0.0	MIN.
AC.FT.				19	1796	411	1224	730	NR	1033	1552	301	AC.FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.&.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 03 29	118 59 08	SE31 21S 28E				JAN 42-DATE	JAN 42-DATE	1957		1.00	LOCAL

Station located at "B" Lane Bridge, immediately E of Porterville. This is regulated diversion from Tule River.

TABLE 171

DAILY MEAN DISCHARGE

PORTER SLOUGH NEAR PORTERVILLE

IN SECOND FEET

STATION NO	WATER YEAR
C03187	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	11	0.0	8.1	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	5.8	0.0	1.3	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	4.8*	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0*	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	41 E	27	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	83 E	32	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	38 *	31	8.2	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	28 *	30	3.3	0.1	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	43 *	28	2.6	0.9	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	40	3.1	2.5	1.1	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	35	0.0	4.9	0.3	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	43	0.0	6.9	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	44	0.0	7.7	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	43	0.0	5.6*	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	35	0.0	3.1	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	43	0.0	2.6	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	36	0.0	4.4	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	29	0.2	4.5	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	23	0.0	4.3	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	25	0.0	6.6	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	24	0.0	7.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	23	0.0	8.8	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	23	0.0	8.6	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	21	0.0	9.1	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	9.8	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	12	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	25.7	6.8	4.1	0.4	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	83.0E	32.0	12.0	8.1	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					1428	415	243	23					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2.9	NR					NR					2110

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 04 00	119 03 08	NE28 21S 27E	364	5.14	4/ 3/58	JAN 57-DATE	JAN 57-DATE	1957		1.00	LOCAL

Station located at Newcomb Drive Bridge, 2.0 mi. W of Porterville. Tributary to Tulare Lake Basin via Tule River.

TABLE 172

DAILY MEAN DISCHARGE

FRIANT KERN CANAL DELIVERY TO PORTER SLOUGH

IN SECOND FEET

STATION NO	WATER YEAR
C03913	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	15	18	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	15	18	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	15	18	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	15	18	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	15	18	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	15	19	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	18	18	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	20	18	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	20	18	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	20	19	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	20	19	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	20	19	0.0	0.0	0.0	0.0	12
12	0.0	0.0	0.0	0.0	0.0	0.0	20	19	0.0	0.0	0.0	0.0	12
14	0.0	0.0	0.0	0.0	0.0	17	20	6	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	22	20	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	20	20	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	20	20	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	20	20	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	20	20	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	20	20	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	17	20	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	15	20	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	7	16	20	0.0	0.0	0.0	0.0	0.0	22
24	0.0	0.0	0.0	0.0	10	16	20	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	10	15	20	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	10	15	20	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	10	15	20	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	7	15	20	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		15	20	0.0	0.0	0.0	0.0	0.0	29
20	0.0	0.0	0.0	0.0		15	20	0.0	0.0	0.0	0.0	0.0	30
21	0.0		0.0	0.0		15		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	1.9	9.9	18.9	7.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	10.0	22.0	20.0	19.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	107	611	1127	486	0.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3.2											2331

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 05 00	119 04 50	SW20 21S 27E									

These flows are deliveries from Friant-Kern Canal into Porter Slough under contract agreement with the U.S.B.R. Delivery is at the intersection of Porter Slough with the Friant-Kern Canal approx. 4 mi. W of Porterville. Records furn. by U.S.B.R.

TABLE 173

DAILY MEAN DISCHARGE

FRIANT KERN CANAL DELIVERY TO TULE RIVER

IN SECOND FEET

STATION NO	WATER YEAR
C03923	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	460	422	387	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	68	460	416	383	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	151	462	416	323	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	182	462	416	260	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	201	478	416	164	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	201	486	416	40	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	201	486	416	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	234	486	409	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	284	499	406	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	333	506	406	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	351	520	405	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	351	530	406	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	351	530	406	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	351	515	406	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	384	508	406	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	400	508	383	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	400	508	372	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	400	489	372	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	400	477	370	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	440	489	370	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	460	485	372	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	460	467	372	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	460	460	372	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	462	453	372	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	119	460	450	370	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	185	461	450	370	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	218	460	438	370	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	64	462	432	370	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		460	414	370	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		460	432	370	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		460		370		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	1.6	29.4	39.3	33.2	4.3	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	218	462	530	422	387	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	414	370	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	1162	21319	28443	24026	3088	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
108											78038

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 04 25	119 05 15	NW29 21S 27E									

These flows are deliveries from Friant-Kern Canal into Tule River under contract agreements with the U.S.B.R. Delivery is located on the Tule River approx. 4 mi. W of Porterville. Record furnished by U.S.B.R.

TABLE 174

DAILY MEAN DISCHARGE

TULE RIVER BELOW PORTERVILLE
IN SECOND FEET

STATION NO	WATER YEAR
C03169	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0*	0.0	0.0	399	448	406	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	35	395	449	402	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	117 *	395	445	345	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	150	408 *	365 *	285	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	178	428	416	187	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	184	434	450	51	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	204	428	453	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	232	420	438	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	256	437	438	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	271 *	337	454	435	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	636 *	355	464	438	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	158 *	353	480	433	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	193	350	483	435	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	236	341	480	438	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	417	353	473	441	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	422	370	452	425	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	440	368	452	413	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	456	378	438 *	410	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	276	389	435	413	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	266	422	457	410	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	195	449	451	405	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	36	440	453	402	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	15	428	458	399	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	432	445	399	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	90	433	441	399	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	155	419	448	399	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	162	416	440	394	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	54	408	442	394	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		404	444	394	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		408	451	394	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0*		399		397		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	160	323	443	416	55.9	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	636	449	483	453	406	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	395	365	0.0	0.0	0.0	0.0	MIN.
AC. FT.					8882	19850	26350	25720	3324				AC. FT.

E — ESTIMATED
NR — NO RECORD
c — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND c

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
116	810	2.52	2	10	2300	0.0		10	1	0000	84130

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 04 40	119 06 22	NW30 21S 27E	5170	8.17	5/19/57	FEB 57-DATE	FEB 57-DATE	1957 1959	1959	0.00 -3.48	LOCAL LOCAL

Station located 330 ft. above Rockford Road Bridge, 5.1 mi. W of Porterville. Flowa regulated by Success Reservoir and spill from Friant Kern Canal.

TABLE 175

DAILY MEAN DISCHARGE

ELK BAYOU NEAR TULARE

IN SECOND FEET

STATION NO.	WATER YEAR
C03130	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12					195 **								12
13													13
14					INSUFFICIENT DATA TO PUBLISH DAILY FLOWS								14
15													15
16					17.1**								16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.													AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
# - E and *
** - Result of discharge measurements

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
36 08 37	119 19 48	SW36 20S 24E				OCT 58-DATE	MAR 57-DATE	1959		0.00	LOCAL

Station located 1.8 mi. W of U. S. Highway 99, 5.8 mi. S of Tulare. Prior to Mar. 4, 1960, station located 700 feet. W of U. S. Highway 99, 4.5 mi. S of Tulare. Tributary to Tule River. Prior records, 1942 to July 1953, available at a site 1 mi. E of Elk Bayou Ave. 3.6 mi. below Old Highway 99 Bridge. Recorder installed March 6, 1957.

TABLE 176

DAILY MEAN DISCHARGE

CROSS CREEK BELOW LAKELAND #2 CANAL

IN SECOND FEET

STATION NO	WATER YEAR
C02602	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	325	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	555	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	555	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	2083	0.0	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2.9											2083

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 12 42	119 34 05	NE10 20S 22E				21-DATE					

Station located below Cross Creek Weir, 4 mi. E of Guernsey. Tributary to Tulare Lake area. At times the flow is a combination of water from Kaweah River, Kings River and Cottonwood Creek. Records furn. by Corcoran Irrigation District.

TABLE 177

DAILY MEAN DISCHARGE

SOUTH FORK KINGS RIVER BELOW ENPIRE WEIR #2

IN SECOND FEET

STATION NO	WATER YEAR
C01120	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	139	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	136	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	137	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	135	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	131	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	129	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	129	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	129	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	130	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	129	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	143	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	151	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	153	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	160	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	160	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104	174	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	174	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	173	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	174	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	149	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139	116	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138	24	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137	41	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	71	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	71	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134	55	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	42	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	131	45	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	132	44	30
31	0.0		0.0	0.0		0.0		0.0		0.0	138		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.3	119.5	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	174	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	MIN.
AC. FT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4879	7109	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
											11988

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
36 10	119 50	20S 19E									

Station located 1.0 mi. SW of Stratford. So. Fork Kings River, composed of Kings River water, is a tributary to the Tulare Lake area. Records furn. by Kings River Water Association.

TABLE 178

DAILY MEAN DISCHARGE

KERN RIVER NEAR BAKERSFIELD

IN SECOND FEET

STATION NO	WATER YEAR
C05150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	133	136	216	171	280	420	1506	1417	1484	1929	1198	452	1
2	116	140	239	173	282	440	1602	1402	1497	1941	766	479	2
3	110	142	292	183	278	500	1649	1464	1537	2007	814	504	3
4	110	143	249	183	272	456	1630	1492	1609	2019	812	511	4
5	111	145	232	183	286	470	1591	1547	1627	1967	606	527	5
6	111	135	209	178	292	532	1543	1515	1697	1634	791	530	6
7	107	126	216	179	323	576	1597	1493	1781	1614	777	540	7
8	106	130	205	186	548	552	1589	1563	1625	1895	798	518	8
9	103	126	189	187	726	592	1561	1567	1809	1672	796	500	9
10	105	125	197	167	647	634	1614	1625	1799	1918	709	503	10
11	115	130	199	187	732	532	1695	1616	1810	1959	626	504	11
12	124	129	200	185	661	505	1804	1552	1852	1951	736	509	12
13	119	139	168	205	563	481	1788	1497	1936	1885	723	517	13
14	107	141	197	189	538	487	1792	1437	1998	1838	675	513	14
15	111	134	196	158	508	487	1731	1383	1712	1799	663	483	15
16	117	135	182	171	518	520	1675	1343	1934	1751	642	467	16
17	113	136	183	188	521	554	1738	1256	1997	1715	609	452	17
18	116	133	184	182	545	570	1635	1178	2043	1729	589	450	18
19	122	118	187	192	585	602	1574	1139	2078	1711	572	414	19
20	121	134	183	286	596	633	1568	1175	2099	1667	578	291	20
21	117	194	185	286	537	665	1585	1181	2117	1676	578	333	21
22	131	167	186	232	526	772	1597	1273	2138	1690	596	334	22
23	134	162	181	230	517	997	1596	1402	2122	1775	601	361	23
24	123	179	170	249	526	1005	1556	1428	2092	1827	556	359	24
25	119	219	180	252	506	985	1577	1437	2063	1856	532	359	25
26	121	237	182	272	519	1049	1580	1438	2073	1963	521	371	26
27	121	222	185	276	518	1290	1549	1411	2041	1971	501	373	27
28	132	212	184	271	482	1340	1393	1361	2015	1929	503	362	28
29	134	202	182	257		1263	1365	1394	1977	1904	503	333	29
30	126	208	177	266		1307	1440	1460	1925	1879	505	342	30
31	127		176	271		1390		1491		1860	461		31
MEAN	118	156	197	213	494	729	1604	1418	1890	1843	663	440	MEAN
MAX.	134	237	292	286	732	1390	1804	1625	2138	2019	1198	540	MAX.
MIN.	103	118	166	158	272	420	1365	1139	1464	1614	461	291	MIN.
AC. FT.	7267	9281	12121	13121	27435	44838	95445	87187	112437	113316	40776	26164	AC. FT.

e — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— e AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
820											593392

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
35 26 9	118 56 8	SW 2 29S 28E				93-DATE					

Also known as "Kern River at First Point". Station located 5 mi. NE of Bakersfield. Tabulated discharge is the computed regulated flow and is computed from noon to noon beginning at noon of day shown. Records furn. by Kern County Land Company. Drainage area is 2,420 sq. mi.

TABLE 179

DAILY MEAN DISCHARGE

DEER CREEK AT TERRA BELLA IRRIGATION DISTRICT

IN SECOND FEET

STATION NO.	WATER YEAR
C35170	1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14					DATA NOT RECEIVED IN TIME TO PUBLISH								14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.													AC.FT.

E – Estimated
NR – No Record
* – Discharge measurement or observation of no flow mode on this day.
# – E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
35 56 36	118 49 36	SE10 23S 29E				OCT 19-DATE	OCT 19-DATE				

Station located approx. 1 mi. upstream from mouth of Pothole Creek on Deer Creek. Record available from 1919 to date at Terra Bella Irrigation District Engineer's office in Porterville. Drainage area is 86 sq. mi.

TABLE 180

DIVERSIONS - SACRAMENTO RIVER
(Sacramento to Verona)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
--TOWER BRIDGE - SACRAMENTO--	0.0														
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO	0.6L														
City of Sacramento	0.8L	3-18" 2-20" 2-24"	2950	2140	2190	1940	2360	3520	4070	4820	5230	5230	4310	2910	41230
--AMERICAN RIVER--	1.1L														
--BACK BORROW PIT RECLAMATION District 1000--	1.3L														
American Home Company	1.45R	1-8"						158	52	164	107	59	18		558
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)	2.1L														
Elmer P. Christophel	2.15L	a 1-8"						16	14	20	13	9	23		115
D. D. Parr	3.15L	1-6"						NO DIVERSION							
Rose Orchard, Incorporated	3.55R	1-16"						2	140	83	112	41	81		459
M. Owyang	4.0R	1-10"						NO DIVERSION							
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0R														
--GAGING STATION - SACRAMENTO RIVER OPPOSITE SACRAMENTO WEIR--	4.2							STATION REMOVED							
Reese and Oreer	4.65R	1-7"							24	45	32	4			105
George W. Reed	5.05R	1-12"							83	94	85	95		70	427
Mary S. Seydel Estate	5.25R	1-8"	1	1	1	1	1	2	2	3	3	2	2	1	20
A. R. Merkley	5.3R	1-6"							49	33	66	34			182
Carl and Ray Casselman	5.5R	1-6"							20	31	33	1			85
Frank and Ruth Lang	5.55R	1-8"								42	54	1			97
Riverside Mutual Water Company	6.1L	2-18"						694	1650	2230	2240	2180	1220	82	10300
--RECLAMATION DISTRICT 1000 DRAIN No. 3--	6.85L														
Fred C. Jones	7.5L	1-8"							14	26	51	46	7		144
A. Marty and C. Inderkum	7.7R	1-10"						119	138	185	169	134	168		913
Candido Rosa	7.8L	1-10"							24	57	50		21		152
E. D. Willey	7.9L	1-10'						8	10	87	44		9		158
A. Marty and C. Inderkum	8.3R	2-8"						117	98	172	161	50	88		686
Pong Shee Farm	9.3L	1-10"						8	307	198	209	125	132		975
Henry Amen and E. C. Peabody	9.35R	1-14'						89	115	145	276	143			768
Fred C. Jones	9.8L	1-8"							10		51	24			85
Carl Casselman	9.9R	1-12"						102	14	119	58	28			321
Lloyd M. Robbins	10.25L	1-14'								101	60	94	16		271
Thomas M. Erwin	10.65R	1-12"						61	97	76	55	46	60		395
Edward Russell	10.75L	1-12"									67	27	30		124
W. A. Ten Eyck	11.1R	1-12"							71	63	88	112	44	22	400
--ELKHORN FERRY--	11.9														
Woodland Farms, Incorporated	12.0R	4-36'	871					7340	10600	11000	9020	7810	3580	295	50520
Thomas O'Connor Estate	12.5R	1-12"						NO DIVERSION							
William Plumb, Jr.	12.7R	1-6'						NO DIVERSION							
Lewis Thornton	12.95L	1-4"								5	3				8
S. C. Farms, Incorporated	13.1R	1-12"						71	254	157	64				546
S. C. Farms, Incorporated	13.25R	1-12'					56	164	107	161	125	66			679
Natomas Central Mutual Water Company	14.1L	1-24 1-30'	150					840	2430	2270	2640	2260	1300	124	11800
James Vierra	14.25R	1-14'							237	170	175	5			587
A. Bianchi	14.1L	1-4						NO DIVERSION							
W. P. Bowyer	15.1R	1-16"							59	74	13	37	55		238
Natomas Central Mutual Water Company	16.0L	1-24" 1-20" 2-16"	34					4540	7620	6590	7380	6880	3130		36230
Hershey Estate	16.27R	1-20"						247	548	510	523	571	164		2653

TABLE 180

DIVERSIONS - SACRAMENTO RIVER
(Sacramento to Verona) (contd.)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
Sacramento River Ranch	16.62R	1-14"							58	170	93	147	61		529
Sacramento River Ranch	17.0R	1-14								74	9	109			192
Frank and Ruth Lang	17.4R	1-16							134	109		112			355
Jose Alves and Sona	17.75R	1-16						NO DIVERSION							
Jose Alves and Sons	18.0R	1-20"							410		627	483			1520
H. C. Lauppe	18.2L	2-10"							99	173	186	207	88		753
Burton H. Lauppe	18.45L	1-14"						153	118	220	282	199	55		1027
Layton Knaggs	18.7R	1-24"							688		1120	143			1951
E. L. Kerns	18.7L	1-12						NO DIVERSION							
SACRAMENTO TO VERONA Totals			3666	2141	2191	1941	2417	18260	30290	30400	31590	27570	14660	3504	168600
Average cubic feet per second			62	35	36	35	39	307	493	511	514	448	246	57	233
Monthly use in percent of seasonal			2.2	1.3	1.3	1.1	1.4	10.8	18.0	18.0	18.7	16.4	8.7	2.1	

a Erroneously reported as an 18" pump in 1961.
b Formerly listed as Elkhorn Mutual Water Company.

TABLE 181

DIVERSIONS - SACRAMENTO RIVER
(Verona to Knights Landing)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov -Oct. Acre-Feet
			Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June	July	Aug	Sept	Oct.	
--GAGING STATION - SACRAMENTO RIVER AT VERONA--	19.6L														
--CROSS CANAL RECLAMATION DISTRICT 1000 AND 1001--	19.6L														
Arthur Drown	*(0.05S)	1-10"	10					52	81	129	185	177	84		718
Natomas Central Mutual Water Company	*(1.0S)	1-24" 1-36"						1470	2690	2280	2350	2250	1420		12460
Natomas Central Mutual Water Company	*(2.0S)	1-20" 2-24"						3300	5230	5670	6020	5560	2940	368	29090
B. J. Ukropina	*(3.3N)	2-24"						482	229	155	555	471	102		1994
B. J. Ukropina	*(3.35N)	1-16"						127	759	854	772	851	162		3525
Roy C. Osterli and Harlan Van Dyke	*(3.45N)	1-14" 2-36"					6	643	2580	2370	2620	2720	1100	125	12160
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Sacramento River Ranch	21.5R	1-16"							52	37	93	65	62		309
Roy Michelotti	22.1R	1-10"									16		16		32
C. Fred Holmes	22.2L	1-14"								167					167
Sacramento River Ranch	22.5R	1-24"							221	170	297	324	159	87	1258
--GAGING STATION - SACRAMENTO RIVER AT FREMONT WEIR, EAST END--	22.58R														
Anthony Furlan	26.8L	1-16"						NO DIVERSION							
A. F. Johnston	26.8L	1-16"								39					39
--GAGING STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END--	27.9R														
Lowell Edson	28.1R(0.8)	1-5"									30				30
Hershey Estate	28.1R(1.3)	1-18"	3	69			25	81	163	165	191	126	50		873
Gus Inglin	28.1R(2.4)	1-12"									25	22	23		70
Gus Inglin	28.2R	a 1-8"	1					18	14	32	22	6	15		108
Anthony Furlan	28.2L	1-12"								22					22
Ralph White	28.6L	1-8"							67	38	46	42	26		219
Hersbey Estate	29.0R	1-12" 2-16"								269	108	24			401
Russell Brothers	29.2R	1-12"								3	145	41	27		216
Sebastian Yturralde	29.9L	1-12"							76	63	56	48			243

TABLE 181

DIVERSIONS - SACRAMENTO RIVER (contd.)
(Verona to Knights Landing)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
Leo Giovanetti	30.2L	1-6"								36		29			65
G. and D. Traganza	30.3R	1-8"									46	16	11		73
Anthony Furlan	30.5L	1-14"								52	9	47			108
M. R. Richardson	30.7R	1-10"						NO DIVERSION							
Albert Nusz	30.75R	1-6"						PLANT REMOVED							
Alice E. West	30.9L	1-6"						NO DIVERSION							
A. C. Huston, Jr. and Mrs. E. Huston	31.5R	1-12"							82	74	75	61	86		378
M. R. Richardson	31.75R	2-14"						5	80	118	117	64			384
M. Alonso	31.8L	1-6"						NO DIVERSION							
Sutter Mutual Water Company (Portuguese Bend)	32.0L	1-20" 2-24"						1090	2010	2780	2620	2940	1050		12490
J. F. Waters and E. Furlan	32.5L	1-12"							55		51	20			126
Colliers Brothers	32.5R	1-10"								64	89	86	27		266
W. H. Zeigler (b)	33.2L	2-10" 1-12"						216	364	414	435	488	135		2052
J. G. Knox	33.35L	1-10" 1-12"								45	13	94			152
Clarence Du Bois	33.5R	c 1-12"							130	85	106	20			341
P. K., O. J., W. N. Leiser and L. J. Mansager	33.75L	1-12"							103	79	244	163	47		636
Neil Wilson	33.85R	1-4" 1-6"	19					24	39	39	53	33	36	16	259
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.95														
VERONA TO KNIGHTS LANDING															
Total			33	69			31	7508	15020	16250	17390	16790	7578	596	81266
Average cubic feet per second			1	1			1	126	244	273	283	273	127	10	112
Monthly use in per cent of seasonal			0.1	0.1				9.2	18.5	20.0	21.4	20.7	9.3	0.7	

• Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.
a Replaces a 6" unit.
b Formerly listed as W. H. Zeigler and H. Carlson.
c Replaces a 14" unit.

TABLE 182

DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June	July	Aug	Sept	Oct	
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
--KNIGHTS LANDING BRIDGE--	34.1														
--COLUSA BASIN DRAIN--	34.15R														
E. E. Nuttall	34.15R(0.2)	1-6"								9					9
River Farms Company	34.5R	1-16" 1-20" 1-24"		74				2990	5720	4920	5370	5110	859		25040
Wallace Ernst and A. Johnson	34.85L	1-8"						NO DIVERSION							
Walter Raymond	35.2L	1-12"						NO DIVERSION							
Johnson and Anderson	35.8L	a 1-8"						18	66	3	27	18	16		148
J. Goffitzer	35.85L	1-6"									7	4	2		13
Frank Rossi	36.2L	1-12" 1-14"						116	594	479	600	549	237		2575
J. A. Driver (b)	36.45L	1-12"						47	17	23	107	18			212
A. Moroni	36.8L	1-6"						NO DIVERSION							
--RECLAMATION DISTRICT 787 DRAINAGE PLANT--	37.0R														
Albert Nuttall	37.2L	1-14"								38					38
Maybelle J. Bundock	37.75L	1-8"								39		43			82
Robert and Eugene Reel	38.4L	1-10"						NO DIVERSION							
C. L. Reel	38.8L	1-10"								56	10	44	19		129
C. L. Reel and Sons	39.4L	1-10"							77	7	75	86			245
C. L. Reel and Sons	39.8L	1-10"							49		38	14			101
William Duffy, Jr.	39.9L	1-8"									32	20	12		64
Sutter Mutual Water Company (State Ranch Bend)	40.6L	2-24" 1-36"	75					3780	6490	6060	6240	6560	1840	490	31540
River Farms Company	41.0R	1-14" 1-16"						86	15	80	518	624			1323
Buell Ranch	41.0L	1-6"						NO DIVERSION							
Mrs. N. Lorenzetti	42.2L	1-6"						NO DIVERSION							
Mrs. N. Lorenzetti	42.3L	1-8"								62	4	42	9		117
El Dorado Ranch	42.3R	1-14" 1-16"						135	542	582	320	374	170	72	2195
El Dorado Ranch	43.1R	1-12"						NO DIVERSION							
Reclamation District 2047	43.1R	3-50"						6140	11700	10600	12100	10100	3130		c 53770
Kramer Ranch	43.1L	1-12"						NO DIVERSION							
Bill Erdman	43.4R	1-10"							123	122	183	98	135		661
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0R														
John Clauss	44.2L	1-18"							34		273	57	162		526
John Clauss	45.6L	1-14"						195	415	451	700	702			2463
--GAGING STATION - SACRAMENTO RIVER ABOVE R. D. 108 DRAIN PLANT--	46.4														
John Clauss	46.45L	1-16"						350	1140	1130	1130	1120	238		5108
J. R. Henle	46.5L	1-14" 1-20"							202		138				340
Perry Hiatt Properties, Incorporated (d)	48.7L	2-22"							1160	1380	1460	1220	724		5944
G. J. Hiatt	49.0L	1-14"							75		169				244
G. J. Hiatt	49.7L	1-14"							263	231	235	244	24		997
Reclamation District 108 (Tyndall Mound)	51.1R	1-16" 1-18" 2-24" 1-36"						2570	4790	3980	4120	3730	732		19920
William Crawford	51.2L	2-16"						37	241	144	28	31	59		540
Fritz Erdman	51.9R	1-12"							8	17	17				42
Thomas Nelson	52.0L	1-16"								23	121	75			219
George Van Ruiten	52.3L	1-10"								52	98	13			163
George Van Ruiten	52.9L	1-12"								81	185	45			311
Reclamation District 108 (Hovell Point)	53.8R	1-14" 1-20" 1-36"	7					511	738	1050	1250	758	291	297	4902

TABLE 182

DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough) (contd.)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre-Feet
			Nov	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	
George Van Ruiten	53.9L	1-14"								64	130	129			323
Broomieside Farms	55.1L	1-26"							184	187	206	54			631
Broomieside Farms	56.3L	1-16"						NO DIVERSION							
Reclamation District 108 (Boyer Bend)	56.4R	1-12" 1-18" 2-22" 1-36"						1900	3310	2550	4400	3380	2000	145	17740
Jacob Miller	56.65R	1-12"						NO DIVERSION							
Broomieside Farms	56.95L	1-20"		275					219		309	88			891
L. M. Miller	57.0R	1-10"						NO DIVERSION							
William Crawford	57.2SL	1-24" 1-30"		114				1470	1480	2100	2310	2260	541	422	10700
Clifton Lamb	57.5L	1-16"						NO DIVERSION							
Maud Neilson	58.3L	1-14"						174	138	121	70	220	41		764
Alex Grant	58.9L	1-16"						NO DIVERSION							
Reclamation District 108 (South Steiner Bend)	59.15R	1-10" 1-16"						163	39	345	315	71	11		944
Lamb Brothers	59.8L	1-14"								68	69				137
W. A. Larner	60.4L	1-14" 1-16"						188	643	709	762	583	203		3088
L. A. Butler	60.5L	1-12"								161	62	76			299
Reclamation District 108 (North Steiner Bend)	61.3R	1-16"							174	97	53	77	43		444
Richard Moore	61.5R	1-12"								133	73	130	61	16	413
L. A. Butler	61.8L	1-12"								74		52			126
Wayne Hine	62.3R	1-10"							30	82	55	54	77	21	319
John Mack	62.3L	1-14"						59	441	406	415	416	145		1882
Jake Locvich Estate	62.6R	1-10"							12	29	25	33	27		126
KNIGHTS LANDING TO WILKINS SLOUGH															
Total			82	463				20990	41130	38740	44810	39320	11810	1463	198800
Average cubic feet per second			1	8				353	669	651	729	639	198	24	275
Monthly use in per cent of seasonal			0.1	0.2				10.6	20.7	19.5	22.5	19.8	5.9	0.7	

a Previously listed as a 10" unit.
b Formerly listed as Earl Gray.
c Includes 532 acre feet of water delivered to River Farms as follows April 98, May 250, June 50, July 101, August 28, and September 5.
d Previously listed as Mary Miatt.

TABLE 183

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet											Total Diversion Nov-Oct Acre Feet
			Nov.	Dec	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept	Oct.	
--GAGING STATION - SACRAMENTO RIVER BELOW WILKINS SLOUGH--	62.9R														
Reclamation District 108 (Wilkins Slough)	63.2R	5-42" 1-48"						19300	23600	20900	19900	21500	8110		113300
H. L. Young	63.3L	1-12"								27	39	34	6		106
Capaul Brothers	63.65L	1-8"								22	79	18	32		151
Sutter Mutual Water Company	63.75L	6-42" 2-48"						27600	46400	44200	45600	46200	13000	1250	224200
Robert E. Seamans	63.9L	2-14"						22	465	624	751	504	181		2547
--TISDALE WEIR RECORDER STATION--	64.2L														
Lloyd, Beverly and Fred Durst	64.3R	1-14"							26	55	38	1			120
Frank Lamb	64.35L	1-14"						NO DIVERSION							
Tisdale Irrigation and Drainage Company	64.4L	1-8" 1-12"						150	431	528	572	470	29		2180
Van Born Ranch	64.9R	1-14"						NO DIVERSION							
Fred Schohr	65.6R	1-16"						43	50	31	43	40	15		222
Walter Ettl	65.7L	1-8"							117	124	90	26			357
J. L. Browning	66.4R	1-18"						87	245	380	502	253	131		1598
Tisdale Irrigation and Drainage Company	67.1L	1-16" 1-22"						659	1500	1620	1870	1470	451		7570
Newhall Land and Farming Company	67.5L	1-12" 2-24"						1650	2810	3070	3300	2100	300		13230
--RECLAMATION DISTRICT 70 DRAINAGE PLANT--	68.8L														
Meridian Farms Water Company #5	68.8L	1-24"						NO DIVERSION							
J. L. Browning	69.0R	1-14" 1-22"						NO DIVERSION							
C. Yerxa and A. Andreotti	69.2R	1-10" 2-16"						946	1030	976	995	763	204	123	5037
--EDDY'S FERRY SITE (GRIMES)--	69.45														
J. E. Hollenbeck	69.8R	1-4"						NO DIVERSION							
Tuvrie Kilgore	70.0R	1-12"						NO DIVERSION							
H. F. Daly	70.4L	1-10"									32	13	6		51
Beckley, Ritchie, Poundstone and Andreotti	70.4R	1-16" 1-20"						1650	1950	1810	1850	1590	358		9208
Meridian Farms Water Company #4	71.1L	1-24"						937	1260	1570	1720	1280	495		7262
A. B. Armstrong	71.9R	1-14"	17	78					41	171	181	79	84		651
R. and A. Andreotti	72.1L	2-14"						13	12	612	661	653	197		2148
C. T. Froh	73.6R	1-10"	41						44	112	115	123	115		550
Meridian Farms Water Company #3	74.8L	1-18"						185	716	787	853	780	124		3445
Richard Moore	75.3R	1-10"									28	55			83
J. B. Yates Estate	76.1L	1-10"								117	19	76			212
Robert Chesney	76.15L	1-10"								41	37	50			128
M. S. Davis and C. K. Anderson	76.2L	1-8"								10	19	16			45
Steidlmayer Brothers	76.5R	1-16"						NO DIVERSION							
Olive Percy Davis, et al	77.8R	1-12"			4		285	25		130	13				457
R. X. Ranch Company	77.9L	1-16"							199	66	210	47			522
Olive Percy Davis, et al	78.15R	2-30"	32					2610	3370	4310	4880	4730	605		20540
Olive Percy Davis, et al	78.75R	2-12" 1-16"	18					502	475	620	492	193	130	10	2440
Olive Percy Davis, et al	78.8R	1-24"						1680	1720	2020	1750	2130			9300
Steidlmayer Brothers	78.9R	1-12"						78	23	231	84	184	127	97	824
C. E. Reische	79.0L	1-10"							78	43	54	44			219
Gerrans Orchard	79.3R	1-10"						24		42	50		10	20	146
J. J. Hankins	79.5L	1-8"						NO DIVERSION							
A. M. Wood	79.7L	1-10"								19	25	38			82
--GAGING STATION - SACRAMENTO RIVER AT MERIDIAN--	79.85														
Meridian Farms Water Company #1 and #2	80.0L	1-10" 1-20" 1-24"						1910	4020	4590	4520	4160	1100		20300
Gerrans Orchard	80.3R	1-8"						30		76	71		6	26	209
Tomlinson Brothers and E. J. Burrows	81.5L	1-16"							1	87	16	30			134

TABLE 183

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Blough to Colusa) (Contd.)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	
Tomlinson Brothers	81.8L	1-16"						236	719	762	780	810	356		3663
F. T. Reische and L. F. Wood	82.5L	1-12"							6	19	2	15			42
Emerson Hixon	82.7L	1-16"		2	6		4	24	228	141	142	120	76	6	749
Steidlmayer Brothers	83.0R	1-20"	16	256				9	153	448	730	137	135		1884
J. E Clark	83.3L	1-14"							7	44	45	47	5		148
J. E. Clark	83.5L	1-10"						NO DIVERSION							
--BUTTE SLOUGH OUTFALL GATES--	84.0L														
Steidlmayer Brothers	84.0R	1-8"						NO DIVERSION							
Reclamation District 1004	85.3L	1-8"							3	12	15	8	8		46
Steidlmayer Brothers	85.6R	1-12"						NO DIVERSION							
A. C. and W. G. Reichel	85.8L	1-10"						8	56	19	40	15			138
Lydell Peck	86.1L	1-8"						4	40	44	56		3	24	171
W. R. Halsey	86.1R	1-12"	26					67	68	56	136	41	48	14	456
Howell Davis	86.2R	1-18"						NO DIVERSION							
Sciortino Brothers	86.8L	1-8"							37	40	32		20		129
Kathleen Wilbur	86.9R	1-10"				1		34	84	90	149	4	79	12	453
Kathleen Wilbur	87.4R	1-10"						29		40	27	8	22		126
W. H Halsey	87.45L	1-6"						12	13	14	11				50
Mrs. D. Locvich	87.6L	1-8"							8	7	7				22
Swinford Tract Irrigation Company	87.7R	1-12"						51	49	104	81				285
Frank Azevedo	88.0R	1-6"							4	5					9
Amy K. Lange	88.2R	1-2"						NO DIVERSION							
Nagel and Locvich	88.2L	1-10"						3	33	36	40		10	1	123
Mayfair Farms Incorporated	88.7L	1-14"						13	101	69	74		4	32	293
Colusa Irrigation Company	89.2R	1-20"						102	249	97	290	105	25		868
Orace R. Arnold	89.24L	1-8"						12	93	82	53	23		6	269
Reclamation District 1004	89.25L	1-18"						162	782	264	759	810	439	30	3246
W. H. Halsey and M. Yerxa	89.26L	1-12"						42	282	209	89				622
WILKINS SLOUGH TO COLUSA															
Total			150	336	10	1	289	60910	93600	92620	95020	91790	27050	1651	463400
Average cubic feet per second			3	5			5	1024	1522	1557	1545	1493	455	27	640
Monthly use in per cent of seasonal				0.1			0.1	13.1	20.2	20.0	20.5	19.8	5.8	0.4	

TABLE 184

DIVERSIONS - SACRAMENTO RIVER
(Colusa to Butte City)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
--COLUSA BRIDGE - GAGING STATION - SACRAMENTO RIVER AT COLUSA--	89.4														
Halsey and Yerxa (a)	89.4LL	1-3"									1				1
D. Boggs	89.7L	1-16"						69	26						95
Roberts Ditch Company	90.7R	1-18"	2					58	283	733	905	730	363	33	3107
I. G. Zumwalt Company	91.0R	1-6"						NO DIVERSION							
Paul R. Westfall	91.1L	1-3" 1-8"							13		15	8			36
I. G. Zumwalt Company (b)	91.2R	1-6"									84		75	7	166
I. G. Zumwalt Company	91.6R	1-12"							63	22					85
Paul A. Morris and C. E. Strifler (b)	92.0L	1-4"										1			1
--COLUSA WEIR RECORDER STATION--	92.4L														
Andrew Martin	92.5L	1-8"							78		39	36			153
W. H. Halsey	92.6R	1-8"						7	10	9	9				35
W. H. Halsey	93.0R	1-8"						23	17	28	17				85
Wilson Lovvorn	93.15R	1-24"					114	515	1056	1002	1087	1073	467	31	5345
Paul R. Westfall	93.2L	1-3"									4	3			7
Paul R. Westfall	93.6L	c 1-3"							19	16	18	7	3		63
Tuttle Land Company	94.3R	1-20"						68	318	281	295	283	91	6	1342
Roger Wilbur	95.25L	1-12" 1-18"	665				103	140	302	384	554	276	141	116	2681
Azro M. Lewis Estate	95.6L	1-16" 1-20"	420	345					755	827	966	795	199	13	4320
J. G. Griffin	95.75L	1-16"								262					262
J. G. Griffin	95.8L	1-26"						21	1200	439	1220	1230	299	9	4418
Robert Hunter and A. L. Scott, Jr.	95.85L	1-18"						NO DIVERSION							
I. O. Zumwalt Company	96.8R	1-15"							250	248	201		181	23	903
H. Heitman	97.7R	1-14"								127	225	140	73	5	570
Rio Bonito Farms	97.75L	1-6"								62	74				136
Rio Bonito Farms	98.0L	1-10"								8	11	6			25
Roger Wilbur	98.3R	1-10"	30					115	89	133	151	4	46	24	592
Otterson and Boggs	98.6L	1-15"						59	289	247	101	313	107	7	1123
Elizabeth Reimer	(d) 98.7R	1-4"							34	42	12				88
D. Boggs	98.8L	1-18"		2					35	49	108	21	37	2	254
Elizabeth Reimer	99.0R	1-14"								244	42	163	9	1	459
J. M. Boggs	99.1L	1-16"							19	20	60				99
Hollis Sartain	99.25L	2-16"	659	588				113	947	636	1106	966	160	11	5186
L. W. Seaver	99.3R	1-10" 1-12"							80	193	210	85	143	10	721
Helen Forry (a)	99.5L	1-4"							21						21
Helen Forry	99.8L	1-16" e 1-12"						135	729	835	781	743	242	17	3482
Helen Forry (a)	100.0L	1-6"									66	10			76
Saint Patrick Home Ranch	101.1R	1-20"							151	157	207	28	52	100	695
Jane Foster Carter	101.8L	1-14"							190	186	258	218	29		881
Guy M. Morse (b)	102.0R	1-4"						11	46	26	18	62	15	17	195
Ralph D. Westfall and Mary Westfall Noonan (b)	102.48L	1-2"									8	9			17
Ralph D. Westfall and Mary Westfall Noonan	102.5L	1-16"							14	71	91	54	1		231
Guy M. Morse	102.8R	2-12" 1-20"	83	44				569	1100	986	983	982	153	10	4910
C. E. Carter	102.9L	1-16"							179	105	132	268	62	4	750
--GAGING STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3														
--MOULTON WEIR RECORDER STATION--	103.6L														
Charles W. Welch	103.7R	1-16"						NO DIVERSION							
Maxwell Irrigation District	103.8R	2-20" 1-24"						249	699	721	705	692	106	7	3179
C. W. Tuttle	103.9R	1-12" 1-18"						650	375	377	538	578			2518

TABLE 184

DIVERSIONS - SACRAMENTO RIVER (Contd.)
(Colusa to Butte City)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June	July	Aug.	Sept	Oct.	
I. G. Zumwalt Company	104.8L	1-12"							102	53	47		52	3	257
I. G. Zumwalt Company	105.3L	1-12"						NO DIVERSION							
Lawrence Boyd	105.5L	1-10"								18	2	7			27
Thousand Acre Ranch (H. W. Keller)	106.0R	1-14"						82	207	208	182	97	116	104	996
Olive Percy Davis, et al	106.5R	2-16"						385	641	503	633	705	126	8	3001
Princeton Ranch Company	110.0R	1-12"	7						111	106	96			43	363
H. Womble	110.1L	2-16"						NO DIVERSION							
I. G. Zumwalt Company	110.7L	f 1-3"						22	19	43	43		43		170
--PRINCETON FERRY--	112.0														
I. G. Zumwalt Company	112.05L	1-12"						25	20	22	19		21	1	108
Reclamation District 1004	112.1L	2-30" 1-50"						5440	9430	8830	7730	8160	2010		41600
Princeton-Codora-Glenn Irrigation District	112.4R	3-24"						3880	4930	5870	5860	4550	197		25290
I. G. Zumwalt Company	112.6L	1-10"							142	62	142		68	16	430
Emerson B. Estes	114.9R	1-5"						NO DIVERSION							
Mark Munson	115.3R	1-4"						NO DIVERSION							
Opal L. Cushman	115.5L	1-12"						50	76	61	82	38	39	9	355
COLUSA TO BUTTE CITY															
Total			1866	979			217	12690	25060	25250	26140	23340	5726	637	121900
Average cubic feet per second			31	16			4	213	408	424	425	380	96	10	168
Monthly use in per cent of seasonal			1.5	0.8			0.2	10.4	20.6	20.7	21.4	19.2	4.7	0.5	

a Temporary installation in 1962.
b New installation in 1962.
c One 10" unit was removed in 1962.
d Previously listed as Mile 98.7L.
e One 12" unit was installed in 1962.
f One 12" unit was removed in 1962.

TABLE 185

DIVERSIONS - SACRAMENTO RIVER
(Butte City to Red Bluff)
November 1961 through October 1962

Water User	Mile and Bank above Fairfield	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec	Jan	Feb.	Mar.	Apr	May	June	July	Aug	Sept	Oct.	
--BUTTE CITY BRIDGE--	115.8														
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Mark Munson	115.8R	1-4"								1	1	2			4
F. A. Brown	115.85L	1-14"							42	90	74	56			262
Victor Trubowitch	115.9R	1-6"								3	7	6			16
Manuel Torres	116.37L	1-12"						NO DIVERSION							
Cronin Estates	116.9L	1-16"						NO DIVERSION							
Victor Trubowitch	117.1R	1-10"							68	51	62	15	11	1	208
W. F. Wright, Jr.	117.5R	1-6"							10	36	25				71
Walnut River Farms (a)	120.3R	1-10"							20	10	15				45
Robert T. Millar	122.3R	1-10"						NO DIVERSION							
Ben Giesbrecht	122.9R	1-10"								40	40	40			120
Clarence Reed	123.7R	1-6"									7				7
F. K. Friesen	123.8R	1-4"								1		1			2
Princeton-Codora-Glenn Irrigation District	123.9R	5-24"						7060	9870	9700	8790	9590	4320	787	50120
Provident Irrigation District	124.2R	2-24" 1-36" 2-46"		1720	269			6200	3580	5000	5800	4630	160	1450	28810
J. Bertapelle	124.3R	1-12"	41				8	230	221	269	318	238	200	57	1582
Abe Giesbrecht	125.5R	1-10"						NO DIVERSION							
Duard F. Geis	128.3R	1-6"							72	24	64	42	76		278
F. S Reager, Jr.	130.75R	1-8"							19	70	60	52	24		225
--GAGING STATION - SACRAMENTO RIVER AT ORD FERRY--	130.8R														
C F Koehnen and Sons (b)	131.0R	1-10"							21	29	23	23	32	8	136
Harry E. Nichols, Jr.	133.45L	1-6"								113	66	60	31		270
Harry E. Nichols, Jr.	133.5L	1-5" 1-6"							11		17	20	16		64
--STONY CREEK--	138.0R														
--BIG CHICO CREEK--	141.5L														
M & T Incorporated and Parrott Investment Company	141.5L	1-20" 4-24"		69	64	43	109	1500	2190	2670	4160	4600	1560	169	c 17130
Fred Wagner	141.5L	1-4"						NO DIVERSION							
--OLD CHICO LANDING RAILROAD BRIDGE SITE--	142.1														
Paul E. Arneberg	142.8R	1-14"						88	39		35	38	97	25	322
Jane Foster Carter (d)	143.6R	1-10"						44		27	4	12	3		90
Levi Bentz	143.8L	1-6"						NO DIVERSION							
Glenn Beagle	146.3L	e 1-12"									33	12	1		46
Jane Foster Carter (d)	146.8R	1-10"						33	2	4	8	6	31		84
Holly Sugar Corporation	148.9R	1-2" 1-10"						NO DIVERSION							
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (GIANELLA BRIDGE)--	149.5L														
James Rolph III	149.5L	1-12"							95	103	143	80	80		501
J. A. and A. E. Lewis	149.7L	1-12"						45	48	43	87	45	17	22	307
James A. Lewis	150.0L	1-10"						22	32	24	60	43	27		208
V. O. Strain	150.8R	1-12" 1-16"						46	259	392	402	567	469	80	2215
Joe E. Johnson	152.2R	1-6"						1	8	4	8				21
Robert Edwards	152.4R	1-6"						NO DIVERSION							
Bowers Ranch	153.5L	1-8"						NO DIVERSION							
Mrs. Guy H. Boone	154.5R	1-10"							41	42	73	36	27		219
Jessie and McClain	154.6R	1-5"						1		2	2	7			12
S. G. Spang	154.7R	1-4"							2	4	5	2			13
Jacinto Irrigation District (g)	154.75R	1-36" 1-48"													
Glenn-Colusa Irrigation District (g)	154.8R	4-44" 1-54" 4-66" 3-72" 1-100"	28100					92200	146000	138000	152000	138000	65500	8340	h 768100

TABLE 185

DIVERSIONS - SACRAMENTO RIVER (Contd.)
(Butte City to Red Bluff)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct.	
Adrian Otten	155.6R	1-4"							12	13	10	7	3		45
R. Phieffer	155.7R	1-2½"						NO DIVERSION							
F. Williams	156.0R	1-6"						14	33	8	21	10	2		88
E. H. Penner	156.1R	1-6"	4				12	21	36	42	54	48	32	6	255
O. L. Shearman	156.85R	1-3"						3	3	4	4	3	2		19
Taresh Ranch	158.8R	1-10"					15	63	135	98	243	197	58	101	910
Jonathan Garst	161.0L	1-4"						NO DIVERSION							
Jonathan Garst	161.45L	2-8" 1-14"	6					36	82	166	100	96	39	3	528
Clinton Cano	161.5L	1-4"					1	11	20	4	13	15			64
Jonathan Garst	161.7L	1-2"					1								1 1
F. W. Case (j)	165.4L	1-14"					1						28	1	30
--GAGING STATION - SACRAMENTO RIVER AT VINA BRIDGE--	166.5R														
E. L. Dietz	166.7R	1-3"						NO DIVERSION							
Russell L. Deckman	166.8R	1-2"								1	2	2	2	1	8
Ernest Peterson	166.9R	1-6"						3	14	18	20	21			76
A. J. McFadden	168.5L	1-8"							1	12	65	88	9		175
C. F. O'Connor	168.85R	1-10"	1					3	24	6	62	52	54		202
C. F. O'Connor	168.9R	1-6"						1	8	2	21	17	18		67
Rumiano Brothers	169.8L	1-10"						2	27	97	107	51	18	1	303
Moritz Thomsen	173.05L	1-8"					6	57	41	61	48	73	11	18	315
Dr. O. T. Wood	k 173.6L	1-8"						3	6	10	13	3	10	6	51
Dutro Brothers	175.5R	1-3"						NO DIVERSION							
Dutro Brothers	176.6R	1-4"						4	2	3	6	6	3		24
L. L. Brunemer	177.2L	1-6"						NO DIVERSION							
Los Molinos Mutual Water Company	187.6L	1-12						NO DIVERSION							
John Taylor	188.5L	1-1½"						1	3	2	2				8
Orville L. Johnson	188.51L	1-2½"						NO DIVERSION							
Henry Kerber	188.8L	1-10"						16	156	46	240	302	252		1012
R. C. Osborn	189.1R	1-6"						35	98	110	146	141	100		630
Diamond National Corporation	191.5R	1-8"	164	170	170	153	170	164	170	164	170	170	164	170	1999
Arthur Stanley	196.5L	1-2½"						NO DIVERSION							
W. R. Harris	196.55L	1-1½"						1	1			1			3
S. and E. Erickson	196.6L	1-5"						2	12	22	23	6	6		71
Diamond National Corporation	197.0L	1-8"							78	51	130	113	88		460
Carl Fahle	197.1L	1-3"								3	4	2			9
O. Gilliland	197.5L	1-1 1/4"						NO DIVERSION							
Al Gaumer	198.0L	1-3"						NO DIVERSION							
Al Gaumer	198.3L	1-3"						9	19	31	33	26	24		142
BUTTE CITY TO RED BLUFF															
Total			28320	1959	503	196	323	107900	163600	157700	173900	159700	73600	11250	879000
Average cubic feet per second			476	32	8	4	5	1813	2661	2650	2828	2597	1237	183	1214
Monthly use in per cent of seasonal			3.2	0.2	0.1			12.3	18.6	17.9	19.8	18.2	8.4	1.3	

a Formerly listed as W. N. Stewart, Jr.
b New installation in 1962.
c An additional 24530 acre feet was received from Butte Creek as follows: November 1930, April 3610, May 4750, June 4400, July 3260, August 3100, September 2000, and October 1480.
d Formerly listed as Leonard Herring.
e Replaces 2-6" units.
f Previously listed as a 8" unit.
g In 1962 Jacinto Irrigation District, Mile 154.75R, merged with Glenn-Colusa Irrigation District, Mile 154.8R. Total diversion for both plants in 1962 and all subsequent years is listed at Mile 154.8R.
h An additional 33883 acre feet diverted by gravity from Stony Creek as follows: March 5445, April 26880, May 1408, and June 150.
i Nonagricultural use.
j Formerly listed as Lloyd Hygelund.
k Plant moved from Mile 173.7L.

TABLE 186

DIVERSIONS - SACRAMENTO RIVER
(Red Bluff to Redding)
November 1961 through October 1962

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec.	Jan	Feb.	Mar	Apr	May	June	July	Aug	Sept	Oct.	
--GAGING STATION - SACRAMENTO RIVER NEAR RED BLUFF--	198.6														
C. T Loftus	205.1L	1-4"						20	19	23	34	33	35	5	169
D. Mills	207.3L	1-8"					6	64	113	106	120	106	74	4	593
D. Mills	207.5L	1-12"						210	250	273	295	279	152	13	1472
La Mirada Olive Company	209.0L	1-4"						NO DIVERSION							
J. F. Nunes	213.0R	1-7"						NO DIVERSION							
R. H. Richmond	213.5L	1-3"	2					1	4	4	5	5	4	2	27
R. H. Richmond (a)	215.7L	1-6"						1	13	35	63	84	68	27	291
J. F Nunes	216.0R	1-5"					2	7	30	30	31	31	36	3	170
W. A. Hunaeus	216.4L	1-3"							2	8	13	12	11	1	47
R. H. Richmond (a)	216.5L	1-6"						5	44	55	64	90	71	18	347
Haakonson Brothers	217.5L	1-5"					2	23	52	84	77	57	22	8	325
J. L. Haskins	217.9L	1-6"							13	78	77	64	42	11	285
Rio Alto Rancho	221.0R	1-12"	4				3	119	136	445	592	338	226	60	1923
C. D. Draucker	228.0R	1-16"						78	222	181	243	267	154	25	1170
Floyd Leonard	233.5L	1-6"						NO DIVERSION							
U. S. Plywood Corporation	234.0R	1-8"	118	86	146	45	52	36	38	8	54	68	104	126	881
William Meozel Company, Incorporated	240.2L	1-12"						129	205	206	293	322			1155
Lou Gerard	240.3L	1-2"						NO DIVERSION							
John Gladwell	240.4L	1-4"						NO DIVERSION							
Anderson-Cottonwood Irrigation District	240.5L	4-16"						2570	3470	3790	4030	3920	2910	167	20860
Riverview Golf Course	240.8L	1-4"	2			1	5	10	18	24	29	31	25	3	148
J. H. Hein Company	241.9L	1-4" 1-6"						NONAGRICULTURAL USE							
Anderson-Cottonwood Irrigation District	246.0R	Gravity	4340					20200	23400	23100	24300	24100	22800	8520	b 150800
City of Redding	246.25L	2-6"	2	1			1	7	8	15	20	20	18	2	94
Maybell Diestelhorst	246.3R	1-8"					2	16	12	33	76	56	40		235
City of Redding	246.7R	3-8"	228	192	213	195	237	311	318	548	778	586	491	216	4313
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5														
RED BLUFF TO REDDING															
Total			4696	279	359	241	310	23810	28370	29050	31190	30470	27280	9211	185300
Average cubic feet per second			79	5	6	4	5	400	461	488	507	496	458	150	256
Monthly use in per cent of seasonal			2.5	0.2	0.2	0.1	0.2	12.9	15.3	15.7	16.8	16.4	14.7	5.0	
SACRAMENTO RIVER - SACRAMENTO TO REDDING															
Total			38813	6226	3063	2379	3587	252068	308070	390010	420040	388980	167704	28312	2098252
Average cubic feet per second			653	102	50	43	59	4236	6458	6554	6831	6326	2817	461	2895
Monthly use in per cent of seasonal			1.9	0.3	0.1	0.1	0.2	12.0	18.9	18.6	20.0	18.5	8.0	1.4	

a Formerly listed as F. L. Jelly.
b Includes 3645 acre feet of spill as follows: April 1400, August 80, September 235, and October 1930.

DIVERSIONS - COLUSA BASIN DRAIN *
November 1961 through October 1962

Water User	Mile and Bank **	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
--GAGING STATION - COLUSA BASIN DRAIN AT KNIGHTS LANDING (KNIGHTS LANDING OUTFALL GATES)--	.L														
River Farms Company	.3L	a 1-20"						267	1110	[illegible]	1200	1120	73		4718
--RIDGE CUT AT KNIGHTS LANDING--	1.4R														
John J. Anderson	1.45R	1-16" 1-20"					1	352	508	500	511	372	127		2371
John C. Cooling	4.2R(0.1)	1-16"					17	133	178	247	232	214	34		1055
J. E. Taylor	4.2R(0.7)	1-12"						4	5	32	31	27	23		122
B. C. and T. D. Tolson	4.2R(0.8)	1-12"					11	66	74	154	76	188	50		619
Layton Knaggs	4.65R(0.3)	2-24"					2	264	1890	1100	141[illegible]	1570	827		7903
Layton Knaggs	7.2R	3-16" 1-20"	[illegible]8	90	20			231	1720	1770	1790	1510	602	164	7995
George E. Youngmark	8.8R	1-14" 1-16"	72					203	848	788	920	66[illegible]	164		3655
Hershey Estate	11.15R	1-16" 1-18"						184	1450	1150	1130	938	269		5121
Hershey Estate	13.75R	1-16"						NO DIVERSION							
C. N. Mumma	14.75R	1-16"						103	327	161	182	199	73		1045
--COUNTY LINE BRIDGE--	15.25														
J. V. Doherty	15.5R	1-12"					2	45	213	194	172	185	67		878
M. T. Emmert	15.75R	b 1-16"						400	359	619	754	797	239	64	3232
H. B. West, Jack Hughes and Dr. R. C. West	18.1R	1-15" 1-20"	119	158				105	664	814	884	927	428		4099
James Iriart	18.5R(0.8)	1-14"						58	409	134	535	472	214		1822
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--	19.9L														
Reclamation District 108	19.9L	1-16" 1-24" 1-30"							100	1600	3900	3270			8936
James Iriart	20.0R	[illegible]-14"	[illegible]4	68				85	579	569	543	426	145		2499
B. W. Whitmire and D. S. Adams	21.35R	2-16"	66	290				603	468	525	463	309			2744
Albert Brandenburg	22.15R	1-14"					14	182	662	504	579	543	68		2612
--GAGING STATION - COLUSA BASIN DRAIN NEAR COLLEGE CITY--	22.5L														
Aileen Browning Armstrong	22.75R(0.1)	1-16"						45	239	229	245	223	59		1040
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Baledon Ranch	24.6R([illegible].5)	1-16"						NO DIVERSION							
Baledon Ranch	24.6L([illegible].3)	1-14" 2-16"	458	26				66	435	624	952	577	215	78	3425
Henry J. Olin	24.6L(0.31)	1-12"					2	30	106	111	164	246	114	48	821
Lula King	[illegible].1R	1-[illegible]"						NO DIVERSION							
Gertrude M. Sherer	25.3L	1-16"										31	31		62
Gertrude M. Sherer	[illegible].5R	1-1[illegible]"						NO DIVERSION							
--CRIMES - COLLEGE CITY CAUSEWAY--	2[illegible]														
Fred Schutz	[illegible].0L	1-18" 1-30" 1-24"					42	4[illegible]	255	51	863	715	111		2900
Ray E. Kutts	26.4R([illegible].1)	1-18"						32	184	126	164	184	55		745
C. W. and M. F. Strukmeyer	[illegible].5L([illegible].[illegible])	[illegible].-16"	[illegible]					58	39[illegible]	413	94[illegible]	58[illegible]	36[illegible]	114	2864
William P. Wallace Ranch	[illegible].4R	1-1[illegible] 1-1[illegible]						244	658	682	70[illegible]	680	8[illegible]		3054
--WALLACE CROSSING (MT. DIABLO MERIDIAN-WILLIAMS [illegible]) --	[illegible]														
[illegible]ive Perry Davis, et al	[illegible].9L	Gravity						NO DIVERSION							
[illegible]ive Perry Davis, et al	29.8R(0.4)	[illegible]-18"					27	308	523	475	517	512	107		2469
Fred Wilkins	[illegible].8R([illegible].[illegible])	1-1[illegible]						NO DIVERSION							
Glenn-Colusa Irrigation District	[illegible].8R(1.[illegible])	1-[illegible] 2-[illegible]					[illegible]	[illegible]3	144[illegible]	203	2804	2520	1[illegible]		14130
[illegible]ive Perry Davis, et al	[illegible].1R	1-18"	[illegible]	[illegible]											34
Federal Fish and Wildlife Service	[illegible].1R	1-1[illegible]	[illegible]	[illegible]	[illegible]					47	318	[illegible]38	382	[illegible]4	1429
L. O. [illegible]ley	[illegible].6L	1-14"					[illegible]	126	[illegible]4	[illegible]14	11[illegible]	344	35		1158
Arata Brothers	[illegible].4L	1-[illegible]						N DIVERSION							
Richard Moore	[illegible]L	[illegible]-1[illegible] 1-1[illegible]					11	[illegible]2[illegible]	[illegible]8[illegible]	478	9[illegible]	[illegible]4	272		4163

TABLE 187

DIVERSIONS - COLUSA BASIN DRAIN * (Contd.)
November 1941 through October 1942

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sept	Oct	
Federal Fish and Wildlife Service	36.6SR	1-15" 1-20"	469					312	984	616	743	830	769	259	4982
--GAGING STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0														
Federal Fish and Wildlife Service	37.0L(0.1)	1-15"						6	500	[illegible]	529	602	376	71	2538
I. G. Zumwalt Company	39.2L	8-20"	226					1800	2680	4700	4680	4080	1380	[illegible]	[illegible]
East Williams Land Company	39.2R	1-16"										30	281	80	391
J. H. Cave	39.98R	1-10"						NO DIVERSION							
Leon Paulo and L. W. Seaver	40.0L	3-16"	29										18	110	157
J. H. Cave	40.5R	1-10"	131	97											228
Lloyd W. Seaver and F. J. Byington	41.5L	4-16"						316	1090	832	916	1090	297		4541
Coffman and Campbell	42.6L	1-16"						193	297	368	381	368	53		1660
Louis G. Sutton	42.7R	1-16"						NO DIVERSION							
Watt Brothers	43.2L	1-12" 1-16"						316	684	[illegible]	655	486	130		2612
Watt Brothers	43.4R	1-12"						NO DIVERSION							
S. Ash (d)	44.3L	1-14"								67	18	93			178
S. Ash	45.0L	2-16"						482	1340	1150	1600	1560	284		6416
Charles W. Welch	45.0R	1-12" 1-15" 1-16"						[illegible]	340	[illegible]	515	[illegible]	212		2079
El Dorado Sportsman Club	46.5R	1-16"						NO DIVERSION							
I. G. Zumwalt Company	46.75L	1-24"						598	516	593	558	607	18		[illegible]
Leonard R. Beuchamp (e)	47.5L	1-6"						NO DIVERSION							
Leonard R. Beuchamp (e)	47.5L(0.4)	2-16"						434	805	582	648	636	108		3213
Charles W. Welch	(f) 48.7R(0.1)	Gravity						NO DIVERSION							
Charles W. Welch	48.7L(0.2)	1-12"						67	100						167
Charles W. Welch	48.7L(0.3)	1-12"	1					116	127						244
Charles W. Welch	48.7R(0.8)	1-14" 1-16" 2-20"	418	809	208		138	1640	3430	3310	4140	3560	762		18320
Del Valley Farms, Incorporated	49.1R	1-10"						22	163	212	218	146			761
Lynn and Bohne	49.55L(0.3)	1-10" 1-12"						515	411	584	546	566	59		2681
J. W. Guerin and W. J. Thompson	49.59R	1-12"	79					22	189	288	210	130			918
Helphenstine Rice Lands	49.69L	1-18" & 1-12"	87	67			5	307	817	766	658	596	260		3563
E. Butler, E. Meyer and J. Jones	49.7L	1-16"	38	8			9	118	212	208	233	135			[illegible]
Dan Fonseca	50.2R	1-10"						2	17	17	32	5			73
Longwell Acres	50.5L(0.3)	1-10"	[illegible]	43				3	21	1	8	13	26	27	186
Manuel Barrett	Opp. 53.6R(1.3)	b 1-14"						51	344	381	363	342	77		1558
Princeton-Codora-Glenn Irrigation District	54.2L	2-18"						1520	2380	2380	2330	2270	263		11140
John S. Lopes	54.9R	1-12"						NO DIVERSION							
J. F. Cardoza	55.0R	1-4"						5	5	16	5	7	4		42
--LATERAL HIGHWAY - BUTTE CITY TO WEST SIDE--	57.5														
Provident Irrigation District (Willow Creek Plant)	Opp. 57.5R(2.4)	1-24" 1-36"	729	5				135		253	307				1489
Jamieson Ranches, Incorporated	58.4R	1-12" 1-16"						88	670	543	548	549	198		2596
Joe Navarro	59.0R	1-18"							4						4
Provident Irrigation District (Drain #55)	Opp. 61.2R(1.5)	Gravity	1540	12[illegible]	72			3580	6830	6910	8130	7460	4850	2020	h 42670
Dorothy Foote	62.4L	1-16" i 1-14"						62	209	285	302	257	69		1244
Provident Irrigation District	Opp. 62.8L(2.5)	2-16"	27					528	413	585	682	185			2420
Terrill Knight	63.2L	1-12" 1-16"					34	178	365	[illegible]32	462	428	87		1984
John M. Demmer	63.7L	1-12"						NO DIVERSION							
Mary R. Bohach	64.1L	1-12" 1-14"						203	424	294	3[illegible]	304	69		[illegible]90

TABLE 187

DIVERSIONS - COLUSA BASIN DRAIN • (Contd.)
November 1961 through October 1962

Water User	Mile and Bank **	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
Provident Irrigation District (Colusa Basin Drain)	64.2R(0.1)	1-20" 1-24"	335	39				2320	4470	3440	3850	4080	2490	642	21670
Provident Irrigation District (Drain #13)	Opp. 64.2R(2.6)	1-16" 1-20" 1-24"						1220	1610	1400	1690	1480	602		8002
Provident Irrigation District (Drain #13)	Opp. 64.2R(2.6)	Gravity	417	415	8			1340	1460	1050	1040	1280	1300	695	9005
Ray Funke	64.21R(2.6)	1-1"						NO DIVERSION							
COLUSA BASIN DRAIN															
Total			5702	3526	366		379	24080	51600	52310	61300	56160	20380	4982	280800
Average cubic feet per second			96	57	6		6	405	839	879	997	913	342	81	388
Monthly use in per cent of seasonal			2.0	1.3	0.1		0.1	8.6	18.4	18.6	21.8	20.0	7.3	1.8	

• Carries return water from Colusa Basin along west border of Reclamation District 108 and 787, and then discharges to Sacramento River at Mile 34.15R or partial diversion via Knights Landing Ridge Cut.
** Mileage along Colusa Basin Drain from junction with Sacramento River.
a One 10" unit was removed in 1962.
b Replaces a 12" unit.
c One 16" unit installed in 1962.
d Installed prior to 1962, not previously listed.
e Formerly listed as Lloyd Kahn.
f Previously listed as 48.7L(0.1).
g Temporary installation during 1962.
h Includes 2816 acre feet of spill as follows: May 1848, June 166, July 60, and August 742.
i The 14" unit was installed in 1962.

TABLE 188

DIVERSIONS - KNIGHTS LANDING RIDGE CUT
November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
--STATE HIGHWAY 24 BRIDGE--	0.3														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	0.7														
E. L. Wallace	0.8R	1-16" 1-20"						70	250	372	1190	684	456	45	3067
M. R. Richardson	0.82L	1-14"						91	353	346	349	352	153	15	1659
--RECLAMATION DISTRICT 730 DRAINAGE PLANT #2--	3.2R														
Ralph W. Pollock	3.5L	Gravity						58	116	112	116	116	58		576
W. K. Lowe	4.3R	1-16"							100	19	81				200
Ralph W. Pollock	4.55L	1-16"						NO DIVERSION							
Albert Bacchini	4.7R	1-6"							40	27	15	16	8	1	107
Hershey Estate	4.75L	1-24"	1					95	116	107	177	17	85	9	607
Hershey Estate	5.25R	1-16"						NO DIVERSION							
--WEST LEVEE YOLO BYPASS--	6.3														
Hershey Estate	6.3R	Gravity							131	816	898	898	816	375	3934
Hershey Estate	6.3	Gravity							14	100	269	399	372	160	1314
Sacramento River Ranch	6.3L	Gravity						78	1090	1130	1640	1060	806	80	5884
KNIGHTS LANDING RIDGE CUT															
Total			1					392	2210	3029	4735	3542	2754	685	17350
Average cubic feet per second								7	36	51	77	58	46	11	24
Monthly use in per cent of seasonal								2.3	12.7	17.5	27.3	20.4	15.9	3.9	

* Mileage downstream from head on Colusa Basin Drain near Knights Landing. Flow is principally Colusa Basin Drainage diverted to the Ridge Cut by checking at Knights Landing Outfall Gates.

TABLE 189

DIVERSIONS - YOLO BYPASS
(East Borrow Pit or Tule Canal)
November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
Swanston Land Company	1.8S (0.5)	1-14"						NO DIVERSION							
Swanston Land Company	1.5S	1-14"						NO DIVERSION							
--GAGING STATION - YOLO BYPASS BELOW SACRAMENTO BYPASS--	1.0S														
Swanston Land Company	0.85S	1-16'						NO DIVERSION							
Swanston Land Company	0.8S	1-14"						NO DIVERSION							
Swanston Land Company	0.5S	a 1-14" 1-16"						255	685	684	672	665	128		3089
--GAGING STATION - YOLO BYPASS ABOVE SACRAMENTO BYPASS--	0.0														
Swanston Land Company	1.8N	1-16" 1-20"							981	879	967	900	487		4214
Ensher, Alexander and Barsoom	2.4N	1-20'						25	132	146	207	207	78		795
--SACRAMENTO-WOODLAND HIGHWAY--	6.18N														
--SACRAMENTO-WOODLAND RAILROAD BRIDGE--	6.2N														
City of Woodland	6.5N	b 2-16"							60	129	261	208	147		805
--CACHE CREEK--	7.0N														
Hershey Estate	9.5N	1-16"						PLANT REMOVED							
--KNIGHTS LANDING RIDGE CUT--	9.6N														
--RECLAMATION DISTRICT 1600 DRAINAGE PLANT--	10.0N														
YOLO BYPASS (East Borrow Pit or Tule Canal) Totals								280	1858	1838	2107	1980	840		8907
Average cubic feet per second								5	30	31	34	32	14		12
Monthly use in percent of seasonal								3.2	20.9	20.6	23.7	22.2	9.4		

* Mileage is given northerly or southerly from North Levee of Sacramento Bypass. Diversions from East Borrow Pit of Yolo Bypass are primarily from water diverted through Knights Landing Ridge Cut.
a The 16" unit replaces a 14" unit. The remaining 14" pump is a portable unit.
b One 16' unit was a temporary installation in 1962.

TABLE 190

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH
November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
								LOWER BUTTE CREEK							
Reclamation District 1004	3.2R	1-14"						NO DIVERSION							
Reclamation District 833	3.3L	1-16"						55	47	331	503	411			1347
Colusa Shooting Club	4.1L	1-16"								81	51	3	99		234
West Butte Farms Company	4.25L	1-18"							6	170	118				294
Reclamation District 1004	4.3R	1-20" 1-24"	333					54	1120	1120	1090	1030	394		5141
El Anzar, Incorporated	5.7L	1-12"								149					149
Field and Tule	7.1L	a 1-10"								106		50			156
White Mallard Duck Club	11.8R	Gravity	297	216	42										555
White Mallard Duck Club	11.8R(0.5)	1-12"	296	420				227	230	242	319	346	23		2103
Reclamation District 1004	11.8R(2.6)	Gravity	4450	4870	844				2080	2220	3010	2280	1930	1450	23130
Reclamation District 1004	Opp. 14.4R(0.2)	Gravity	1520	1270	242				816	810	324	602			5584
Compton Hills Ranch	Opp. 14.4R(0.4)	1-16"						NO DIVERSION							
--GRIDLEY ROAD BRIDGE--	15.4														
Butte Basin Gun Clubs	15.6L	Gravity	3000	3000											6000
J. Ken Sexton and Son	19.3R	1-16"						18	53	46	69	34	28		248
--BIGGS - AFTON ROAD BRIDGE--	19.4														

TABLE 190

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH (Contd.)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept	Oct.	
J. Ken Sexton and Son	Opp. 19.6R(0.8)	1-14"						NO DIVERSION							
Homar and Homar A. Charles	Opp. 20.7R(0.8)	2-16"	41	50				131	198	233	264	298	58		12
McGowan Brothers	Opp. 20.9R(0.5)	1-16"						124	159	281	289	231	1		1
McGowan Brothers	21.0R	b 1-14" b 1-16" 1-20"						707	393	502	536	234			2
E. McPherrin	21.1L	1-16" 1-20"						232	1350	2000	2120	2120	350		8
Golden L. Nulen (c)	Opp. 21.4R(1.0)	1-16"						10	163	231	267	292	159		1
McGowan Brothers	Opp. 22.4R(0.7)	1-16"						NO DIVERSION							
McGowan Brothers	Opp. 22.4R(1.1)	d 2-16"	70	46				182	526	486	553	559	204		2
--RICHVALE - BUTTE CITY ROAD BRIDGE--	22.5														
McGowan Brothers	23.0R	1-16" 1-20"						183	187	242	272	278	55		12
Narris Lands	23.0L	1-16"							54	49	38	36	37		2
McGowan Brothers	Opp. 23.0R(0.75)	2-16"						NO DIVERSION							
McGowan Brothers	Opp. 23.5R(1.2)	1-16"							162	172	229	225	52		8
McGowan Brothers	Opp. 24.0R(0.5)	e 1-14" d 2-16" 1-20"						720	470	775	624	640	106		33
McGowan Brothers	24.5R(1.4)	1-16"						81	188	185	199	187	24		8
Ruth Baldwin and Charles K. Layton	Opp. 25.6L(0.6)	f 1-12"							195	195	218	193			8
Arrowhead Ranch	28.0R	1-12" 1-16"						NO DIVERSION							
Arrowhead Ranch	29.2L	1-12"						NO DIVERSION							
--WESTERN CANAL DAM--	30.3 **							BUTTE SLOUGH							
--SACRAMENTO RIVER JUNCTION--	0.0														
Butte Slough Irrigation Company	0.0	Gravity													6
M. Marty	0.3W	1-10"						45	93	125	191	155	153	79	84
--BUTTE CREEK--	0.6E														
Mrs. Mamie M. Smith	0.9E	1-7"							10	73	87	55			22
Joe Marty	1.0W	1-12"						11	27	29	48	42	32		18
Mrs. Mamie M. Smith	1.4E	1-8"							9	79	160	87			33
Fred Tarke	1.9W	1-14"						NO DIVERSION							
--MAWSON BRIDGE--	2.1														
C. W. Rawley	2.5W	1-14"							68	182	71	110	25		49
J. E. Smith	3.0W	1-10"							2	2	2				
Pearl Clark and Alice Brewer	3.5W	1-10"	1						8	7	9	7	5		3
P. A. Reische	3.7W	1-10"							8	10	5	3			26
Grannisman and Pieth	4.08W	1-6"								5	5	3			13
P. A. Reische	4.1W	1-10"							31	54	13	46			144
W. J. Hankins	4.8W	1-12"							15	90	4	20			139
P. B. Nensen	5.1W	1-12"							15	127	49	84	33	12	320
Edward E. Nail	6.3W	1-12"					2	1		1		1	1		6
LOWER BUTTE CREEK AND BUTTE SLOUGH															
Total			1	872	1128		2	2781	8083	11420	11740	10660	3769	1541	71600
Average cubic feet per second			168	161	18			47	141	192	191	173	63	25	99
Monthly use in per cent of seasonal			14.0	13.8	1.6			3.9	12.1	15.9	16.4	14.9	5.3	2.1	

* Mileage on Butte Creek from junction with Butte Slough at Mile 0.6E.
** Mileage on Butte Slough from junction with Sacramento River at Mile 84.9L.
a Replaces a 16" unit
b The 14" and 16" units were temporary installations during 1962.
c Formerly listed as Mary Lou Nulen.
d One 16" unit was a temporary installation during 1962.
e The 14" unit was a temporary installation during 1962.
f Replaces 2-10" units.
g Flow in Butte Slough derived from Butte Creek, is controlled by outfall gates at junction with Sacramento River and is thereby retained in Butte Slough to discharge into East and West Borrow Pits of Sutter Bypass near "Long Bridge". The outfall gates are maintained by the Department of Water Resources and are operated cooperatively with the Butte Slough Irrigation Company. See Sutter Bypass Diversions.

TABLE 191

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre Feet
			Nov	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
	*						West Borrow Pit of Sutter Bypass (a)								
--SOUTHERN PACIFIC RAILROAD BRIDGE--	2.5														
C. Fred Nolmes	8.0R	1-18"									171				171
--STATE HIGHWAY 24 CAUSEWAY--	12.7														
Sutter Mutual Water Company	17.5R	1-18"								521	764	801	119		2205
--SOUTH LEVEE OF TISDALE BYPASS--	18.9R														
--RECLAMATION DISTRICT 1660 GRAVITY DRAIN--	19.3R														
G. Guisti and Sons	23.7R	1-16" 1-24"							171	621	486	510	338		2126
Central Gun Club	24.5L	1-12"						NO DIVERSION							
Butte Slough Irrigation Company Limited	25.0R	Gravity							291	347	447	416	100		1601
Butte Slough Irrigation Company Limited	28.4R	Gravity						480	1350	1800	1650	1580	121		6981
Fred Tarke	28.6R	1-4" 1-12"						2	30	70	36				138
G. A. Frye	29.0R	1-8"						2	9	8	1	6	0		26
--STATE HIGHWAY 20 BRIDGE--	29.1														
Fred Tarke	29.2R	1-10"							16	60					76
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.25														
	**						East Borrow Pit of Sutter Bypass (a)								
R. E. Hughes	0.95S	1-16"							599	439	522	586	73		2219
T. H. Richards	0.5S	1-18"						NO DIVERSION							
--WILLOW SLOUGH--	0.0														
H. E. Hughes #7	0.5N	1-16"						10	92	82	264		3	14	465
--RECLAMATION BOARD DRAINAGE PLANT #1--	1.4N														
Cliff P. Childers	" * (0.3)	1-16"								70	56				126
Cliff P. Childers	" * (1.29)	1-16"						154	446	452	304	308	37		1701
E. H. Christensen and Sons	" * (1.32)	1-14" 1-16"						NO DIVERSION							
E. H. Christensen and Sons	" * (1.45)	1-14"						145	192	73	73	119	68	66	736
E. H. Christensen and Sons	" * (1.75)	1-16"						136	509	512	423	438	119		2137
E. H. Christensen	" * (2.8)	1-14"						13	102	11	156	71	68		421
E. H. Christensen	" * (3.3)							NO DIVERSION							
E. H. Christensen	" * (3.5)	1-18"						339	713	349	534	549	48		2532
Oji Brothers	" * (3.6)	1-10"							12	52	16	102	95		277
E. H. Christensen	" * (3.6)	1-12"					78	43	445	436	406	407	214		2029
E. H. Christensen	" * (3.9)	1-12"							5		6	4			15
E. H. Christensen	" * (4.0)							NO DIVERSION							
E. H. Christensen	" * (4.1)	1-16"						121	84	81	108	171	110	108	783
E. H. Christensen	" * (4.29)	1-16"								286	70	343	165		864
E. H. Christensen	" * (4.3)	1-10"						6	57	45	47	37	24		216
Rai Brothers	" * (4.3)	1-12"						17	178	258	284	236	164		1137
E. H. Christensen	" * (4.33)	1-16"						145	49	74	120	109			497
E. H. Christensen	" * (4.35)	1-14"						74	679	805	710	659	219		3146
R. E. Hughes #6	1.5N	1-16"	332	465	115			14	124	55	222	127	24	131	1609
R. E. Hughes #5	2.9N	1-14"		47	108			28	263	211	569	535	164		1925
Neal Westrope	4.0N	1-14" 1-16"						57	567	480	505	487	148		2244
--STATE RIGHWAY 24 CAUSEWAY--	4.3S														
Neal Westrope	4.5N	2-14"						12	79	49	135				275
Ira Mulligan	5.7N	1-16"						NO DIVERSION							
R. J. Hughes #2	5.9N	1-14"						42	266	121	359	181			969
J. Etcheverry	5.91N	1-14"						167	764	719	741	666	19		3076
O. O. Orrick	6.9N	1-10" 2-16"						83	620	525	555	526	138		2447
Ira Mulligan	7.1N	1-16"						26							26

TABLE 191

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (Contd.)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
--GILSIZER SLOUGH--	8.0N														
O. O Orrick	8.0N(0.45)	1-16"						251	712	643	664	600	133		3003
Creppe and Middleton	9.99N	1-15"						83	557	557	558	612	263	280	2910
Creppe and Middleton	10.0N	1-16"	83	22				32	147	42	178	57	184	145	890
--RECLAMATION BOARD DRAINAGE PLANT #2--	10.0N														
Creppe and Middleton	" x (0.3)	1-12"						169	453	457	424	406	141		2050
Dettling Brothers	" x (0.9)	1-20"					34	555	1370	1790	1840	1810			7399
Dettling Brothers	" x (1.8)	1-16"						16	94						110
Federal Fish and Wildlife Service	" x (1.99)	1-16"	436	347										493	1276
Sutter Extension Water District	" x (2.0)	1-20" 1-30"						964	1340	1780	2800	2650	1400	446	11380
Ira Mulligan	" x (2.3)	1-10"						NO DIVERSION							
Ira Mulligan	" x (2.5)	1-16"						353	704	666	648	561			2932
Bridge Investment Company	" x (2.6)	1-16" 1-20"					30	201	235	234	287	399	304		1690
Bridge Investment Company	" x (2.65)	1-14" 1-20"						157	1230	1210	1050	1140	686		5473
Bridge Investment Company	" x (3.0)	b 1-12"					1	6	73	144	108	20	27		379
Percy Davis	" x (4.5)	1-12"								12	104	126	77	44	363
Sutter Extension Water District	" x (6.7)	1-20"						540	458	874	1090	902	183		4047
Federal Fish and Wildlife Service	11.5N	1-12"						61	261	241	260	264	234	83	1404
Federal Fish and Wildlife Service	16.3N	1-24" Gravity	1040	788					359	1230	1310	1050	1170	551	7498
R. A. Schnabel	16.4N	1-8"	7	2						59	42	69	46		225
--WADSWORTH CANAL--	16.5N														
R. A. Schnabel	" v (1.0L)	1-16"						NO DIVERSION							
Fred S. Betty	" v (1.0R)	1-10"						NO DIVERSION							
--GAGING STATION - WADSWORTH CANAL NEAR SUTTER (LOWER STATION)--	" v (1.05)														
H. D. Brown and A. R. Muns	c " v (1.35R)	1-16" 1-20"						505	844	677	1380	1190	200		4796
Vesper Kellogg	" v (1.5L)	1-14"					6	31	77	89	102	94	70	21	490
Albert Thomasen	" v (1.7R)	1-16"						NO DIVERSION							
--STATE HIGHWAY 20 BRIDGE--	" v (2.0)														
--GAGING STATION - WADSWORTH CANAL NEAR SUTTER (UPPER STATION)--	" v (2.45)														
Epperson, Kennedy, and Joaquin	" v (2.5R)	1-10"						75	216	204	199	211	85		990
Clara Farrington	" v (2.51R)	1-10"						NO DIVERSION							
Youill Joaquin	" v (3.0L)	1-14"					9	59	106	150	178	135	27		664
Gerald F. Raub	" v (3.6R)	1-16"						25	46	37	23	23			154
--GAGING STATION - WADSWORTH CANAL AT BUTTE HOUSE ROAD--	" v (3.6)														
--RECLAMATION BOARD DRAINAGE PLANT #3--	16.7N														
Fred S. Betty	" o (0.9)	1-8"							14	48	32	90	47		231
Fred S Betty	" o (1.0)	1-10"						7	49	28	43	44	21		192
Fred S Betty	" o (1.3)	1-14"						62	459	394	440	406	202		1963
Fred S Betty	" o (1.4)	1-16"						176	649	560	611	561	197		2754
Mrs. H. C. and C. N. Epperson	" o (1.49)	1-10"							13	50	156	106			325
Mrs. H. C. and C. N. Epperson (d)	" o (1.5)	1-6"							88	92	92	92	91	28	483
Mrs. H. C. and C. H. Epperson	" o (1.5)	1-16"						NO DIVERSION							
Mrs. H C. and C. N. Epperson	" o (1.51)	1-16"						NO DIVERSION							
T. Bihlman	" (1.85)	1-14"						NO DIVERSION							
Mrs. H C. and C. H. Epperson	" (2.65)	1-8"						NO DIVERSION							
Elden Tarke	" (3)	1-16"						24	155	63	18	74			334
Robert Bihlman (d)	" (3.3L)	1-18"						67	300	269	247	[illegible]	33		1228

TABLE 191

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (Contd.)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
Frank Amaral (d)	*(3.5N)	1-12" 1-14"							299	278	375	376	115		1443
Edward Dean	16.7N	1-12"	39	57					55	48	61	54	27	58	399
Edward Dean	16.7SN	1-16"						NO DIVERSION							
Epperson, Myers, DeWitt and Middleton	19.1N	1-12"							45	382	383	144			954
T. S. Madden	19.3N	1-10"								351	184	39			574
--STATE HIGHWAY 20 BRIDGE--	19.9SN														
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	20.0N														
								SACRAMENTO SLOUGH							
SUTTER BYPASS AND SACRAMENTO SLOUGH															
Total			1937	1728	223		158	6535	20120	23270	26630	24540	8674	2468	116300
Average cubic feet per second			33	28	4		3	110	327	391	433	399	146	40	162
Monthly use in per cent of seasonal			1.7	1.5	0.2		0.1	5.6	17.3	20.0	22.9	21.1	7.5	2.1	

* Mileages on West Borrow Pit are given northerly from drain plant of Reclamation District 1500. Mile 9.15 on West Borrow Pit is opposite Chandler.

** Mileages on East Borrow Pit are given northerly or southerly from Chandler.

§ Plant is on main drain canal for Drainage Plant No. 1 that joins East Borrow Pit of Sutter Bypass at Mile 1.4N Figure in parentheses indicates distance along drain from East Borrow Pit.

‡ Plant is on drainage canal for Drainage Plant No. 2 that joins East Borrow Pit of Sutter Bypass at Mile 1.0N Figure in parentheses indicates distance along drain from East Borrow Pit

† Plant is on Wadsworth Canal that joins East Borrow Pit of Sutter Bypass at Mile 16.5N. Figure in parentheses indicates distance along canal from East Borrow Pit

§ Plant is on Poodle Creek that joins East Borrow Pit of Sutter Bypass at Mile 16.7N. Figure in parentheses indicates distance along creek from East Borrow Pit.

a Water used for irrigation in Sutter Bypass is mainly Feather River return water which enters East and West Borrow Pits via Butte Creek, Butte Slough, and Wadsworth Canal

b One 12" unit was removed in 1962.

c Plants formerly listed at Miles (1.35) and (1.36) are now combined and listed at Mile (1.35).

d New installation in 1962.

TABLE 192

DIVERSIONS - FEATHER RIVER

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov -Oct Acre-Feet
			Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	
Walter Raymond	0.6R	1-20"								95	538	173	11	1	818
Walter Raymond	1.0R	1-18"								21	163	90	0	0	274
Kirtlan Brothers a	1.1L	1-12"							86	168	92	168	35		549
William Baird	1.5R	1-12"									66				66
Kipp and Reith	2.2L	1-18"						13	46	63	128	134	161		545
Walter Raymond	2.6R	2-20"								37	946	139			1122
Lingge-Elliott Ranch	2.6L	1-12"						82	86	144	131	155	154	12	764
Walter Raymond	4.0R	1-16"									83	58			141
Mrs. Aileen Marty	4.55L	1-18"							166	138	175	122	91		692
O. R. Toledo and Son	5.2L	1-12"			1			9	43	73	98	63	39	4	330
White Oak Ranch	5.6L	1-14" b 1-16"	64	3	3				146	294	291	530	337	72	1740
A. L. Haymore Estate	6.44L	1-10"						38	49	116	107	120	52	40	522
M. Scheiber	7.7L	1-14"							157	168	152	92	92		661
--NICOLAUS BRIDGE--	9.2														
--GAGING STATION - FEATHER RIVER AT NICOLAUS--	9.2L														
Leo Muller	9.25L	1-8"							11	28	7	7		14	67
Hamatani Brothers	9.75R	1-20" 1-30"						280	2550	2130	2340	2420	1030		10750
Leslie A. and Carl A. Scheiber	10.3L	1-4"						NO DIVERSION							
--BEAR RIVER--	12.0L														
Garden Highway Mutual Water Company	15.1R	2-20" 1-24"						2550	3260	3180	2160	1800	472	7	13430
Plumas Mutual Water Company	17.5L	c 2-18"						896	2000	2220	2210	1900	1620	741	11590
Tudor Mutual Water Company	18.4R	2-30" 1-35"	55				74	1110	1240	1640	1550	1180	622	83	7554
G. C. Shannon	18.4R	1-10"						18	17	34	24		12	1	106
Oswald Water District	21.4R	2-16"						233	532	473	417	443	367	46	2511
DiGiorgio Fruit Corporation	21.9L	1-4"						NO DIVERSION							
--GAGING STATION - FEATHER RIVER BELOW SHANGHAI BEND-	23.0R														
--YUBA RIVER--	27.3L														

TABLE 192

DIVERSIONS - FEATHER RIVER (contd.)

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. -Oct Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0R														
--5Th STREET BRIDGE--	28.0														
--10TH STREET HIGHWAY BRIDGE--	28.2														
Thomas, DiFiore, Campisi and Perrucci	30.9R	1-2½"						5	21	25	17		5	6	79
Richard Wilbur d	31.6R	1-10"						50	11	43	32	12			148
Richard Wilbur	32.9R	1-10"				2	3	8	2	30	27	13			85
A. A. Sligar and Son	33.1L	1-3"						NO DIVERSION							
Henry Everett	33.2R	1-4"						NO DIVERSION							
O. D. Prindiville	33.3R	1-10"					20	94	94	89	121	45		5	468
J. L. Sullivan, Jr.	33.9R	1-8" 1-10"					26	112	73	184	184	84	42		705
Sutter Extension Water District	38.1R	e 1-36" 1-42" 1-46"						6060	1860	2330	8740	11900	735		31640
La Pinca Orchard	38.5L	1-5"						NO DIVERSION							
--HONCUT SLOUGH--	43.7L														
Mathews, Sullivan and Prindiville	•(0.4L)	1-18"					97	138	71	233	250	89	33		911
Matsumura Brothers	•(1.2L)	1-8"						29	2	44	37	31	3		146
M. Rizzolo and Sons f	•(1.25L)	1-8"						37	14	73					g 124
Oskar W. Woder	44.5R	1-7"						NO DIVERSION							
Herringer Enterprise	46.3L	1-20" 1-24"						321	681	1050	1840	1570	1270	73	6805
W. L. Robbins, Jr.	46.4R	1-6"						NO DIVERSION							
Manuel Aguiar	47.4L	1-7"								15	3		13		31
Manuel Aguiar	47.9L	1-12"						23	43	95	213	160	188	98	820
Robert S. Bigga	48.0L	1-7"							116	102	106	38			362
Robert S. Bigga	48.3L	1-10"							128	225	204	49			606
Bowers Ranch	49.0L	1-8"						33	42	56	76	28			235
--GAGING STATION - FEATHER RIVER NEAR ORIDLEY--	49.7L														
--GRIDLEY BRIDGE--	49.7														
Roy Mayhews	49.7L	1-6"							32	10	32	27			101
Robinson Estate	50.4L	1-14"						NO DIVERSION							
H. A. Pedrozo and Sons	50.7L	1-6"						NO DIVERSION							
A. E. Bettencourt	51.0L	1-6"						NO DIVERSION							
R. B. Chambers h	51.4R	1 1-5" 1-10"						1	57	37	27	51			173
S. J. and J. R. Pratus	52.1L	1-8" 1-10"							61	47	68	66	24		266
S. J. and J. R. Pratus	52.2L	1-5"						NO DIVERSION							
Mart Butler	52.5L	1-7"						19	46	53	75	68	52	11	324
Mac Fruitman	52.7L	1-8"						23	8	26	38	16	30		141
Carl Lee Walker	53.5L	1-6"	17					15	51	77	78	77	47	15	377
L. M. Ranchea, Inc. d	53.5IL	1-2"						2	8	11	11	9	8		49
Hearst Magazines, Incorporated	55.1L	1-14"						NO DIVERSION							
Henry Haselbusch	57.9L	1-9"	26						27	53	39	19			164
--JOINT WATER DISTRICT j DAM--	57.9														
Joint Water District	58.1R	Gravity	11400				7160	73200	107000	104000	98400	82600	53500	15200	552500
--WESTERN CANAL COMPANY DAM--	61.1														
Western Canal Company	61.1R	Gravity	12800	5440	468			13700	27100	31200	34400	31200	13700	5540	174548
--OROVILLE - RICHVALE HIGHWAY BRIDGE--	62.6														
--OROVILLE - CHICO HIGHWAY BRIDGE--	65.0														
--GAGING STATION - FEATHER RIVER NEAR OROVILLE--	71.														
FEATHER RIVER															
Totals			4360	445	472		7380	99100	148000	151100	155700	137700	74740	21970	826000
Average acre feet per acre end			4.0	8.7	8	)	120	1665	2407	2539	2542	2239	1256	457	1141
Monthly use in per cent of seasonal			.9	1.7	0.1	)	0.9	12.0	17.9	18.3	18.8	16.7	9.0	2.7	

* Honcut Slough - Point at which Feather River water enters Honcut Slough. Mouth of Slough is at Mile 45.7L. Diversions from Feather River and Honcut Slough in parentheses.

a New installation in 1962.

b The 36" unit was installed in 1962.

c Replaces the 26" unit.

j Formerly listed as Sutter Butte Canal Company Dam.

d Formerly listed as W. J. Fairey.

e The 36" and 46" units replaced a 26" and one of the 46" units.

f Formerly listed as W. J. Fairey.

g No Feather River water was diverted after June as the river was too low at this Mile.

h Formerly listed as Chambers Ranch.

i The 5" unit is portable.

j Formerly listed as Sutter Butte Canal Company Dam.

TABLE 193

DIVERSIONS - YUBA RIVER

November 1961 through October 1962

Water User	Mile and Bank above "D" Street	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre-Feet
			Nov	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept	Oct.	
--HIGHWAY 99E BRIDGE--	0.0														
Richard Wilbur	0.9L	1-6" 1-12"						75	39	174	549	77			714
--SIMPSON LANE BRIDGE--	0.9														
Ben Williams	1.4R	1-6"						NO DIVERSION							
Lorin N. Trubschenck	1.8R	1-6"						NO DIVERSION							
W. B. Harrington	2.2L	1-4" 1-5"						NO DIVERSION							
River Bend Ranch	3.0L	1-14"					80	166	135	265	304	185			1135
O. D. Lolmaugh	3.1R	1-10"						29	15	19	42	29			134
Richard Wilbur	4.1L	1-10" 1-12" 1-14"					56	415	77	642	792	497			2479
Di Giorgio Fruit Corporation	4.75L	1-8"						56	53	124	29		40	22	324
Di Giorgio Fruit Corporation	5.15L	1-6"						35	46	27	1		30	19	158
--GAGING STATION - YUBA RIVER NEAR MARYSVILLE--	5.2L														
Scott Hendricks	5.75L	1-14"						NO DIVERSION							
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation Company	11.0R	Gravity	4100	3530	602			13700	17900	17200	17900	18000	11700	4180	108800
Cordua Irrigation District	11.0R	Gravity	7950	7330	1320			8940	12000	11700	12200	12000	8350	6840	88630
--DRY CREEK--	13.1R														
Yuba Consolidated Gold Field Company	14.5L	Gravity						NONAGRICULTURAL USE							
--HIGHWAY 20 BRIDGE--	17.1														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER Totals			12050	10860	1922		136	23420	30260	30150	31620	30790	20120	11060	202400
Average cubic feet per second			203	177	31		2	394	492	507	514	501	338	180	280
Monthly use in percent of seasonal			6.0	5.4	0.9		0.1	11.6	14.9	14.9	15.6	15.2	9.9	5.5	

TABLE 194

DIVERSIONS - BEAR RIVER

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct Acre-Feet
			Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
--MARYSVILLE-NICOLAUS COUNTY ROAD BRIDGE--	2.7														
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	3.4														
--WESTERN PACIFIC RAILROAD BRIDGE--	3.9														
--DRY CREEK--	4.5R														
--TROWBRIDGE-WHEATLAND COUNTY ROAD BRIDGE--	6.8														
W. N. Gilbert	8.1R	1-6"						NO DIVERSION							
California Packing Corporation	9.0L	1-8"						NO DIVERSION							
California Packing Corporation	10.7L	1-10"						70	13	148	176	116			523
--HIGHWAY 99E BRIDGE--	11.3														
--GAGING STATION - BEAR RIVER NEAR WHEATLAND--	11.3														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	11.35														
BEAR RIVER Totals			0	0	0	0	0	70	13	148	176	116	0	0	523
Average cubic feet per second			0	0	0	0	0	1	0	2	3	2	0	0	1
Monthly use in percent of seasonal			0	0	0	0	0	13.4	2.5	28.3	33.6	22.2	0	0	

TABLE 195

DIVERSIONS - AMERICAN RIVER

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sept	Oct.	
--GARDEN HIGHWAY BRIDGE--	0.2														
--HIGHWAY 40 and 99E BRIDGE (16th STREET)--	1.9														
Joe Gomez	2.4L	1-5"						PLANT REMOVED							
North Sacramento Lands Company	2.75R	1-8"								21	29	35	13		98
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.0														
--ELVAS FREEWAY BRIDGE--	3.2														
--GAGING STATION - AMERICAN RIVER AT SACRAMENTO (N STREET)--	6.0														
E. Clemens Horst Company	6.5R	1-6"						11		9	15	3			38
E. Clemens Horst Company	7.0R	1-4"						NO DIVERSION							
E. Clemens Horst Company	7.5R	1-8"							37	90	104	14	57	31	333
J. I. Hass, Incorporated	7.7R	1-4"						1		22	24	9			56
--WATT AVENUE BRIDGE--	8.8														
Walter J. Wissemann	9.0L	1-6"							5	40	30				75
G. L. Browning	9.05R	1-5"						PLANT REMOVED							
J. G. and F. F. Dauenhauer	9.2L	1-4"							15	7	11	32	8	1	74
Ruth Coleman	9.4L	1-5"								30	49	66	2	15	162
Gold Nugget Orchard Company	10.4R	1-5"	1					9	8	12	14	1	8		53
Mucke Sand and Gravel Company	11.2L	1-4"	2					2	5	5	7	7	6	1	35
J. T. Gore	11.5L	1-4"										5	63	65	133
Riverview Enterprises	11.7L	1-4"								7	12	19			38
Carmichael Irrigation District	14.76R	1-10" 2-12"	92		2	114	105	386	203	231	269	260	295	177	2134
J. R. Deterding	15.8R	1-4"						PLANT REMOVED							
Carmichael Irrigation District	16.0R	4-10" 4-12" 1-14"	552	185	4			240	531	869	1180	990	975	651	6177
--FAIR OAKS BRIDGE--	19.0														
--BRIDGE STREET BRIDGE (OLD FAIR OAKS BRIDGE)--	19.2														
--GAGING STATION - AMERICAN RIVER AT FAIR OAKS--	21.4R														
AMERICAN RIVER Totals			647	185	6	114	105	649	811	1348	1751	1422	1427	941	9406
Average cubic feet per second			11	3	0	2	2	11	13	23	28	23	24	15	
Monthly use in percent of seasonal			6.9	2.0	0.1	1.2	1.1	6.9	8.6	14.3	18.6	15.1	15.2	10.0	

TABLE 196

DIVERSIONS - PUTAH CREEK*

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
T. S. Glide	0.8L	1-6"						NO DIVERSION							
Cowell Foundation	1.6R	1-12"						NO DIVERSION							
William C. Hamel	2.1R	1-4"						PLANT REMOVED							
William C. Hamel	2.7R	1-10"								54	65	65	44		b 228
William C. Hamel	2.8L	1-8"					21	11	21	48	24	21			b 176
--COUNTY LINE ROAD BRIDGE--	3.8L														
W. E. Nansen	4.3L	1-8"						33	6	45					b 84
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7..														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	7.5														
--U. S. HIGHWAY 40 BRIDGE--	8.0														
--WILLOW CAHAL WASTEWAY--	8.8														
--GAGING STATION - PUTAH CREEK NEAR DAVIS--	9.0														
C.B. and Cornelia S. Phillips	12.6R	1-6"						NO DIVERSION							
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8														
--STEVENSON ROAD BRIDGE--	12.8														

TABLE 196

DIVERSIONS - PUTAH CREEK* (contd.)

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
Sam F. and Marie Dorton	13.1L	1-5"						NO DIVERSION							
Pentzling Ranch	13.9L	1-7"						NO DIVERSION							
--GAGING STATION-PUTAH CREEK BELOW WINTERS (BOYCE ORCHARD)	17.0														
Eyvind M. Faye	17.1R	1-6"							45	67	83	25			220
A. C. A. Orchards	19.3L	1-4"						2	18	6	13	1			40
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9														
--COUNTY ROAD BRIDGE--	19.9														
--PUTAH DIVERSION DAM--	22.6														
--PUTAH SOUTH CANAL--	22.6R														
Jack and Grace Fay	24.0R	1-3"							1	2	2	1	1		7
--COUNTY ROAD BRIDGE--	24.0														
Occidental Petrol Company b	24.0R	1-3"													
Victor Tucker	24.0L	1-2"									1				1
Mabel Goddard, et al	24.9R	1-3"						32	3	16	26	34	15	6	132
Mabel Goddard, et al	25.2R	1-2½"							5		16	2	1	3	27
L. A. and Clara Sackett	25.6R	d 1-3"								1	1	12	5		19
L. A. and Clara Sackett	25.8R	d 1-3"								5	12		3	2	22
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8L														
Samuel S. Silvey	28.6L	1-2"						DOMESTIC USE			1				1
Samuel S. Silvey	28.7L	1-1½"						2	2	2	2	2	2		12
--HIGHWAY 128 BRIDGE--	28.8														
Samuel S. Silvey e	29.0R	1-1"						DOMESTIC USE							e
--MONTICELLO DAM--	29.3														
PUTAH CREEK															
Total			0	0	0	0	21	80	101	236	246	163	71	11	929
Average cubic feet per second			0	0	0	0	0	1	2	4	4	3	1	0	1
Monthly use in percent of seasonal			0.0	0.0	0.0	0.0	2.3	8.6	10.9	25.4	26.5	17.5	7.6	1.2	

* Diversions shown in this table below Mile 7.2 are considered as Delta Uplands Diversions.
a No Putah Creek water diverted by this pump. Water diverted was water pumped into Putah Creek from Yolo Bypass (West Cut) by pump at Mile 17.1R(1.4).
b Temporary installation.
c Used less than one acre-foot.
d Portable unit used at Mile 25.6R and Mile 25.8R.
e New installation in 1962.
f Owner claims 40 acres of irrigated land. Evidence shows ± 2 acres irrigated.

TABLE 197

DIVERSIONS - COSUMNES RIVER*

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
--WESTERN PACIFIC RAILROAD BRIDGE--	0.4														
R. L. Deller	0.8R	1-12"						8	35	33	38	36	27	5	182
R. L. Deller	1.7R	1-10"						NO DIVERSION							
Nicolaus Ranch	1.9R	1-12" 2-16"				6	38	160	176	324	525	395	84	28	1736
Kenworthy and Patterson	2.0L	1-30"					103	318	670	662	645	677	81	11	3167
A. N. Watson	2.8L	1-7"				1	1	2	20		2				26
Nicolaus Ranch	3.1R	1-10"						PLANT REMOVED							
--STATE HIGHWAY 104 BRIDGE--	5.3														
Fred O. Cary	6.0L	1-3"						NO DIVERSION							
L. O. Kilkeary and R. Trevor	9.8R	1-16"						NO DIVERSION							
Jack Lewis	10.5R	1-8"		53	68	2		98	96	103					420
--SOUTHERN PACIFIC RAILROAD BRIDGE--	10.6														
--U. S. 50 and 99 HIGHWAY BRIDGE--	10.7														
--GAGING STATION - COSUMNES RIVER AT McCONNELL--	10.7														
Gertrude T. Mitchell a	14.3R	1-10"						15							15

TABLE 197

DIVERSIONS - COSUMNES RIVER* (contd.)

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
M. F. Larkin a	14.6L	1-5"						NO DIVERSION							
--FREEMAN ROAD BRIDGE--	14.9														
Ralph Nix a	15.2L	1-8"						NO DIVERSION							
Robert Harpster a,b	15.8L	1-4"						NO DIVERSION							
Ralph Nix a	15.9L	1-6"								5	2				7
--WILTON ROAD BRIDGE--	16.8														
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	16.8														
George D. Beitzel a	18.2R	1-12"						5	56	122	59	15			257
Bradley Ranch a	18.55R	1-16"						58	35	64	83				240
Bright Estate a	20.1R	.1-10"						322		297	17				636
F. Barbero a	21.6L	1-6"						PLANT REMOVED							
J. F. Patterson a	21.9R	1-6"						PLANT REMOVED							
E. Clemens Horst Company a	22.0R	1-14"						7	86	122	69				284
Rooney Brothers a	23.7R	1-12"							2	120	33				155
Rooney and Grimshaw a	24.4R	1-8"	9							55	30				94
Francis Rooney a	24.5R	1-12"								56	26				82
--DILLARD ROAD BRIDGE--	24.8														
--RECORDING GAGE - COSUMNES RIVER NEAR SLOUGHOUSE--	24.85														
P. Westerberg a	25.5R	1-10"							7	106	55				168
A. V. Signorotti a	25.7R	1-2"						NO DIVERSION							
F. M. Grimshaw a	25.9R	1-8"						NO DIVERSION							
A. V. Signorotti a	26.3R	1-5"								13	13				26
F. M. Grimshaw a	26.4R	1-6"						NO DIVERSION							
G. C. Johnson a	26.5L	1-6"						NO DIVERSION							
G. C. Johnson a	27.3L	1-5"						4	136	159	72				[3]71
Robert B. Mearns	27.6R	1-7"							51	23	18	17	26		135
F. Silva, Jr.	27.8L	1-6" 1-8"						31	5	35	81				152
Robert B. Mearns a	28.6R	1-8"								45	45				90
Schneider Ranch a	30.0L	1-8"						NO DIVERSION							
Schneider Ranch a	30.6L	1-10'						158	114	220	[2]33	172	126	[3]1	1054
--STATE HIGHWAY 16 BRIDGE--	31.3														
A. Granlees a	32.6R	1-4"	1						47	83		[5]3	22	7	[2]73
--GRANLEES DAM--	33.0														
Cosumnes River Irrigation Association a	33.0R	Gravity	412	109	65	81	44	666	1270	1140	815	524	[3]30	[3]08	: 5764
--GAGING STATION - COSUMNES RIVER AT MICHIGAN BAR--	34.3														
COSUMNES RIVER Total			422	162	133	90	186	1852	2806	3787	2921	1889	696	[3]90	15330
Average cubic feet per second			7	3	2	2	3	31	46	64	48	31	12	6	21
Monthly use in percent of seasonal			2.8	1.1	0.9	0.6	1.2	12.1	18.3	24.7	19.0	12.3	4.5	2.5	

* Diversions shown in this table below the McConnell Gaging Station are considered as Delta Uplands Diversions. Tidal effect ceases at about Mile 3.5.

a This diversion will not be measured after this irrigation season, due to a cutback in the diversion program. This cutback necessitated the dropping of all diversion points on this stream above the lowest gaging station.

b Formerly listed as J. L. Nix.

c Includes an undetermined amount of spill to the Cosumnes River.

TABLE 198

DIVERSIONS - MOKELUMNE RIVER*

November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
Clow and Rose	4.7R	1-12"								28	90	62	14		194
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9														
--COSUMNES RIVER--	5.0R														
--WESTERN PACIFIC RAILROAD BRIDGE--	5.4														

TABLE 198

DIVERSIONS - MOKELUMNE RIVER* (contd.)

November 1961 through October 1962

Water User	Mile and Bank * *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre-Feet
			Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June	July	Aug	Sept.	Oct.	
Manuel Lopes	6.6R	1-12"	2	2				7	48	110	180	158	57	13	577
Thornton-Fry Ranches	6.9R	1-8"								8					8
--GALT-THORNTON HIGHWAY BRIDGE--	7.0														
Thornton-Fry Ranches	7.6R	2-12"						333	739	895	1041	811	311		4130
Thornton-Fry Ranches	8.1R	1-12"						21							21
Albin O. Steffan	8.7R	1-12"						109	117	143	147	120	124	18	778
J. L. Prandy b	10.4L	1-12"						NO DIVERSION							
Albin O. Steffan	10.6R	1-16"	50	44				218	258	270	285	242	172	77	1616
Albin O. Steffan	12.7R	1-12"	19	16		1	7	356	343	345	415	314	251	26	2093
Al Sarti	12.7L	1-5"							8		8				16
A. Taddei	14.2R	1-6"						NO DIVERSION							
C. Blattler	15.5R	1-4"					1	6	9	9	9	10	11	1	56
A. Taddei	15.6R	1-6"			32			21	22	29	19	23	22		168
Mrs. Rose J. Linde	16.8R	1-6"							20	52	46	31			149
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District a	19.9L	Gravity	2400				789	16100	18300	18400	21000	20000	12400	5020	114400
LeMoin Beckman a	21.1L	1-5"						NO DIVERSION							
Arthur J. Hoffman a	21.85R	1-6"						32	119	45					196
V. P. Sperling a,c	22.5R	1-2"								10	15	10			35
Howard Mason a	22.7L	1-6"						PLANT REMOVED							
Cecil V. and Evelyn P. Mumbert a	23.4R	1-4"								29	15				44
L. R. Sanguinetti a	23.4L	1-5"						NO DIVERSION							
Paul A. O'Mara a	23.5R	1-4"						NO DIVERSION							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Ben Bechthold a	24.0L	1-4"						14		1	9	5			29
--HIGHWAY 99 BRIDGE--	24.2														
Litts, Mullen and Perovich a	24.45L	1-5"								2	1	1			4
Lawrence Ranch a	24.5L	1-6" 1-10"						8	16	66	77	14			181
Robert Batch a, d	24.8L	1-6"								3					3
Ray A. Mettler a	25.2R	1-10"	2					6	11	41	61	16	1		138
Eastside Winery a	25.5L	1-4"						NO DIVERSION							
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
Robert N. Lind a	26.3L	1-5"	4	3		1	23	6	1	11	7	3			59
Richard Wagers a	26.35L	1-4"						2	2	2	4	2	3		15
Truman Sabine a	26.9R	1-5"							27	5	37	20			89
Irene Green a	27.5L	1-5"							63	59	21	6			149
Mrs. Rose J. Linde a	27.6L	1-8"							6	4	6	4			20
A. E. Joens a	27.9L	1-10"					100	103	89						292
Nakagawa Brothers a	28.4R	1-5"								4	5	6			15
Frankie O. Dick a	28.5L	1-8"						NO DIVERSION							
Nakagawa Brothers a	28.6R	1-6"						13	27	81	94	61	21	4	301
W. E. Mehlhaff a	29.9R	1-8"					1	18	15	32	40	22			128
E. Bender a	30.0L	1-10"							2	23	11	7	9		52
--BRUELLA ROAD BRIDGE--	30.0														
W. W. Hoffman and Sons a	30.15R	1-8"				2	13	31	17	58	74	33	20		248
N. H. Davis a	30.35R	1-6"						41	7	15	23	20	4	15	125
J. J. Schmiedt a	30.95L	1-7"							40	17	37	39	39		172
Leon Kirschenmann and Leonard Preszler, et al a	31.0L	1-8"		1			13	62	43	5	32	7	1		164

TABLE 198

DIVERSIONS - MOKELUMNE RIVER* (contd.)

November 1961 through October 1962

Water User	Mile and Bank **	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
W. W. Hoffman and Sons a	31.45R	1-5"								10	10	24	7		51
Rose D. Soucie a,e	31.7L	1-5"						3	23	15	33	9	7	4	94
John Graffigna a	31.8R	1-7"							12	17	25	2			56
Jones Ranch a	32.0L	1-6"						NO DIVERSION							
North San Joaquin Water Conservation District a	32.3L	1-12" 1-18"						139	275	319	443	386	272	56	1890
L. J. Peterson a	32.5L	1-5"						4	7	14	13	13	9	3	63
C. M. Locke a	33.25L	1-10"		5	48	1				19	82	19		29	203
Acampo Vineyards a	33.45R	1-8"						41		14		32			87
Acampo Vineyards a	33.6R	1-8"						60	29	38	59	23			209
Niel C. Locke a	33.7L	1-12"						3	27	104	225	174	112		645
T. and E. Schmierer a	33.8R	1-4"	1	1				6	8	8	10	10	6		50
R. T. McCarty a	34.0L	1-8"						25	24	21	64	65	24		223
Pritam Singh Dhaliwal a	34.05R	1-4"						7	19	1		1			28
Norman Knoll a	34.1R	1-4"						14	15	7	18	8	3		65
Norman Knoll a	34.3R	1-4"					4	8	2	5	3	2			24
--COUNTY ROAD BRIDGE--	34.35														
J. B. Ward a	34.5R	1-4"							5	5	20	2			32
H. C. Russell a	34.55L	1-10"							6	6	7	7	7	7	40
Kenneth H. Beckman a	34.6R	1-5"						NO DIVERSION							
H. C. Russell a	34.75L	1-12"						13	95	113	118	122	74	45	580
R. H. Simmons a,f	35.15R	1-6"							55	97	128	103	70		453
Grisaly Hill Ranch a,g	35.2L	1-8"	4	4	1	1		21	29	44	49	42	29		224
Manuel Machedo a	35.4L	1-8"					28	11	14	72	42	32	12		211
Boyce Van Patten a	35.5R	1-8"									12	18			30
Dr. Raymond Mehlhaff a	35.7L	1-6"							56	18	35	31	25		165
I. H. Queasenberry a	35.9L	1-7"						22	40	102	83	57	65	4	373
W. S. Montgomery a	36.0L	1-6"						38	83	49	80	92	26	15	383
Boyce Van Patten a	36.2R	1-6"									87	133	51		271
Mrs. Ossie Parker a	36.45L	1-12"						24	59		97				180
J. R. Wiederrich a	37.15L	h 1-10" 1-4"						13	13	57	37	57			177
W. L. Moffat a	37.45R	1-8"						NO DIVERSION							
W. L. Moffat a	37.65L	1-10"	12	11								27			50
Costa Estate a	37.7R	1-12"							10	12	12	7			41
C. and F. Sanguinetti a	38.0L	2-6"						8	18	33	13	17	2	4	95
C. and F. Sanguinetti a	38.1L	1-8"						11	10	80	49	68	22	6	246
Rudolph Sutter a	38.3L	1-10"						10	178	90	71	79	20	43	491
Gertrude W. Chrisman a	38.5L	1-12"		2	16	14	4			13	27	32	23		131
Clements Estate a	39.0L	1-12"	18	16				286	123	377	411	336	221		1788
McGee Ranch a	39.25L	1-5"								8	5	10	5		28
--HIGHWAY 88 BRIDGE--	39.3														
--GAGING STATION - MOKELUMNE RIVER NEAR CLEMENTS--	39.35														
MOKELUMNE RIVER															
Total			2512	105	97	19	983	18270	21580	22570	26180	23990	14550	5390	136340
Average cubic feet per second			42	2	2	0	16	307	351	379	426	390	245	88	188
Monthly use in percent of seasonal			1.8	0.1	0.1	0.0	0.7	13.4	15.8	16.6	19.2	17.6	10.7	4.0	

* Diversions shown in this table below the Woodbridge Gaging Station are considered as Delta Uplands Diversions. Left bank diversions into Reclamation District 348 (below Mile 9.8) and right bank diversions into McCormack-Williamson Tract (below Mile 1.5) are not included, since these areas are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 10.5.

** Mile and bank above New Hope Bridge.

a This diversion will not be measured after this irrigation season, due to a cutback in the diversion program. This cutback necessitated the dropping of all diversion points on this stream above the lowest gaging station.

b Formerly listed as S. and J. Frandy.
c Formerly listed as Sidney Halsey.
d Formerly listed as S. and M. Miller.
e Plant removed in 1961 and reinstalled in 1962
f Formerly listed as E. R. Thomas.
g Formerly listed as Don Locke.
h The 4" pump is a portable unit.

TABLE 199

DIVERSIONS - CALAVERAS RIVER*

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
Inman Realty Company	1.8L	1-12"						NO DIVERSION							
Clair E. Neitman	2.2L	1-4"					1	1	1	2	2	1	1	1	10
Weiershauser, Ghiorzo and Piccardo	2.5R	1-12"						61	2	76	81	85	77	1	383
John Santa Maria	2.9L	1-4"							2	1	3	2	2		11
--PACIFIC AVENUE BRIDGE--	3.7														
Charles M. Weber	4.4R	2-6"						PLANT REMOVED							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	5.3														
--STOCKTON DIVERTING CANAL--	5.4L														
Roy Moresco	5.7L	1-14"						NO DIVERSION							
Claude Moresco	6.0L	1-5"						NO DIVERSION							
A. Toso	6.2L	1-4"							3	11					14
--U. S. 50 AND 99 HIGHWAY BRIDGE--	6.8														
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	7.3														
--CHERRYLAND ROAD DAM--	7.3														
A. Vignolo and Son	7.3L	1-12"								58					58
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	7.9														
--SOLARI ROAD BRIDGE--	8.8														
--SOLARI ROAD DAM--	8.85														
Uyeda Brothers a	9.9L	1-6"								27					27
Rugani Brothers a, b	9.9R	1-8"								23	5				28
Fred Podesta, Jr. a	10.1R	1-8"								11					11
N. and R. Sanguinetti a	10.2R	1-8"								44	4				48
--ALPINE ROAD BRIDGE--	10.6														
John B. Garibaldi a	11.0L	1-5"								44					44
Irene Saccone a	11.4L	1-5"								44					44
Frank Solari a	11.4R	1-6"								40	8				48
--PEZZI DAM--	11.8														
A. Navone c	11.85R	Gravity													
Julia Pezzi and Sons a	12.15L	1-7"								51					51
--MURPHY DAM--	12.3														
--STATE HIGHWAY 88 BRIDGE--	12.7														
E. O. Brandstad a	13.6R	1-6"								12					12
Dewey Leffler a	13.9R	1-8"						NO DIVERSION							
Angelo Grattone a	14.5R	1-12"								217					217
--EIGHT MILE ROAD BRIDGE--	14.55														
--EIGHT MILE ROAD DAM--	14.7														
L. and R. DeVincenzi a	14.8R	1-6"								92	10				102
Dave V. Sanguinetti a	15.1L	1-5"								28	11				39
A. Girardi a	15.4R	1-12"								120					120
J. N. Tone a d	15.6L	1-10"								111	33				144
--JACK TONE ROAD BRIDGE--	15.8														
John Plotz a	16.0R	1-5"								26					26
L. A. Cademartori a	16.2L	1-5"								28	13				41
Lawrence Zolezzi a	16.8L	1-6"						NO DIVERSION							
Mario and John Boggiano a	17.3L	1-10"						NO DIVERSION							
George Hansen a	17.6R	1-8"						NO DIVERSION							
--TULLY ROAD BRIDGE--	17.8														
--TULLY ROAD DAM--	17.85														
Steve Solari a	18.4L	1-8"								167	48				215
Rugani Brothers a	18.5L	1-8"								32	4				36
Joe Landoni a	19.3R	1-5"								23	3				26

TABLE 199

DIVERSIONS - CALAVERAS RIVER* (contd.)

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept.	Oct.	
B. E. Stagnaro a	19.8L	1-8"								57					57
E. Brennan a	20.3L	1-10"								47	13				60
N. S. and A. R. Guernsey a	20.9R	1-8"								116	10				126
F. and M. Arboco a	21.0L	1-4"								2					2
--CLEMENTS ROAD BRIDGE AND DAM--	21.1														
E. W. Marciano and D. Canepa c	21.1L	Gravity													
--NORTH SLOUGH--	21.6R														
--NORTH SLOUGH CONTROL GATES**--	**(0.0)														
Webster Ranch a	**(1.81L)	1-12"								64					64
Webster Ranch a	**(2.6R)	1-12"			34			13	64	60	88	104	29	43	435
W. O. Fisher a	**(4.1L)	1-9"						NO DIVERSION							
--TULLY ROAD BRIDGE--	**(4.2)														
J. H. Tone a	**(6.0R)	1-10"							51	91	51	45	21		259
A. Girardi a	**(6.1L)	1-16"								5					5
Lyons Brothers a	**(6.6R)	1-10"		1				25	67	137	68	45	27		370
Lucky Ranch a	**(7.3L)	1-6"						5	13	36	25	10	4		93
A. O. Stoltzner a	**(7.3R)	1-10"						NO DIVERSION							
--STATE HIGHWAY 88 BRIDGE--	**(8.1)														
W. C. Leffler a	**(10.3L)	1-4"						NO DIVERSION							
W. C. Leffler a	**(11.5L)	1-10"								24					24
Webster Ranch a	21.7R	1-8"								193	53				246
P. C. D. Ranch a	21.9R	1-8"								117	32				149
Andrew Cuneo a	22.0L	1-12"								73					73
F. Riaao and A. R. Bentley e	22.2R	1-8"								55					55
Carroll and Anderson a	22.3L	1-8"								115					115
John Boggiano a	22.4R	1-10"								52					52
Caeser De Martini a	22.7R	1-12"								46					46
Tassano Ranch a	22.9L	1-8"								25	3				28
Frank De Benedetti a	23.1L	1-7"								20					20
Fred Podesta a	24.1R	1-16"								362					362
Fred Podesta a	24.4L	1-12"								164					164
--STATE HIGHWAY 8 BRIDGE--	25.2														
--GAGING STATION - CALAVERAS RIVER AT BELLOTA--	25.25														
--CALAVERAS RIVER - MORMON SLOUGH CONTROL GATES--	25.28														
John Armanino and Sons a	25.3R	1-10"								147	36				183
--MORMON SLOUGH--	25.3L														
--GAGING STATION - MORMON SLOUGH AT BELLOTA--	8(0.05)														
--FARMINGTON - BELLOTA COUNTY ROAD BRIDGE--	8(0.2)														
J. G. Watkins a	8(0.3R)	1-8"								13	4				17
Angelo Solari a	8(0.5L)	1-8"								74					74
Fred De Benedetti a	8(0.9L)	1-6"								46	23				69
John, Louis and Mario Boggiano a	8(1.4R)	1-12"								136	19				155
E. Maruglian a	8(2.0R)	1-7"								22					22
C. and F. Sanguinetti a	8(2.0L)	1-8"								78	11				89
Estella N. Ryburn a	8(2.5L)	1-10"								89	9				98
--FINE ROAD BRIDGE--	8(2.7)														
Julia Pezzi and Sons a	8(3.1L)	1-8"								25					25
Caeser De Martini e	8(3.4R)	1-10"								17	10				27
Louis J. Legorio a	8(3.6R)	1-6"								48	13				61
Tony Gandolfo a	8(4.0L)	1-6"								25	5				30
P. M. Lemardini e	8(4.1L)	1-2" 1-7"									1				1

TABLE 199

DIVERSIONS - CALAVERAS RIVER* (contd.)

November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
Nick Bonomo a	8(5.5L)	1-10"								90					90
Motoike Brothers a	8(6.1L)	1-6"								[illegible]					[illegible]
A. and R. Lagorio and A. and J. Caffese a	8(6.9L)	1-8"								55	9				64
A. and R. Lagorio and A. and J. Caffese a	8(7.2L)	1-8"								50	6				5[illegible]
Mapes Brothers a	8(7.5R)	1-6"								29	4				[illegible]
--COPPEROPOLIS ROAD BRIDGE--	8(7.8)														
A. Mignacco a	8(10.0L)	1-8"								26	4				[illegible]0
M. Lavaggi a	8(10.[illegible]L)	1-8"								22	2				24
Ralph Panella a	8(10.7R)	1-8"								142					14[illegible]
Frank C. Raffel a	8(11.9L)	1-6"								24	14				[illegible]8
A. Solari and Sons a	8(12.5L)	1-4"						NO DIVERSION							
G. Caffese and Sons a	8(12.8R)	1-7"								6	5				11
--STOCKTON DIVERTING CANAL--	8(13.0)														
--STATE HIGHWAY 8 BRIDGE--	88(14.9)														
Budiselich and Boggiano Brothers a	88(15.7R)	2-12"								26	9				[illegible]5
--U.S. 50 AND 99 HIGHWAY (FREEWAY) BRIDGE--	88(16.0)														
--GAGING STATION - STOCKTON DIVERTING CANAL AT STOCKTON--	88(16.2)														
--U.S. 50 AND HIGHWAY BRIDGE--	88(17.2)														
Albert A. Anderson a	25.5L	1-12"								156					156
L. F. Grimsley, Inc. a	25.9L	1-16"								219					219
Vignalo and Pallavicino a	26.3R	1-10"								15[illegible]					153
Field Brothers a	26.8L	1-10"								101					101
McGurk Ranch a	26.8R	1-8"								75					75
Saverio Nogare a	27.5L	1-10"						NO DIVERSION							
Garavano and Maffeo a	29.0L	1-6"								65					65
O. R. Shelley a	29.2R	1-6"	6	6	6	6			2	14	13	2	[illegible]		58
K. Darpinian and Sons a,f	29.3L	1-10"								17	9				26
M. N. Yocum a	29.4L	1-8"								29					29
Kenneth G. Watkins a	30.1R	1-10"			119	72				173	63				427
--BELLOTA RIVER ROAD BRIDGE--	30.4														
L. and D. Hoag a	30.6R	1-14"								169					169
Lois E. Hunt a	31.1R	1-10"								94					94
Leslie M. Gregory a	31.3R	1-8"			13	13			87	87	44	11			255
Donald Hunt a	32.5R	1-6"	4					10	19	24	21	19	12	3	112
Donald Hunt a	32.6L	1-8"						106	3	45	27	19	2		202
--GAGING STATION - CALAVERAS RIVER AT JENNY LIND--	36.9														
CALAVERAS RIVER Totals			10	7	172	91	1	221	314	5796	929	[illegible]43	179	4[illegible]	8111
Average cubic feet per second			[illegible]	[illegible]	3	2		4	5	97	15	[illegible]	[illegible]	[illegible]	[illegible]
Monthly use in percent of seasonal			[illegible].1	[illegible].1	2.1	1.1	0.0	2.7	[illegible].9	71.5	11.5	4.2	2.2	0.6	

* Diversion shown in this table below the Stockton gaging station are considered as Delta Uplands diversions. Right bank diversions below Mile 2.0 and left bank diversions below Mile 0.7 are not included since they serve areas that are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 5.0.

** North Slough - North Slough diverts from Calaveras River at Mile 21.6R. Distance from Calaveras River and bank is shown in parentheses.

8 Mormon Slough - Mormon Slough diverts from Calaveras River at Mile 25.3L. and rejoins the river through Stockton Diverting Canal. Distance from Calaveras River and bank is shown in parentheses.

88 Stockton Diverting Canal - Stockton Diverting Canal diverts from Mormon Slough at Mile 8(1[illegible].0) and rejoins the Calaveras River at Mile 5.4L. Distance from Calaveras River and bank is shown in parentheses.

a This diversion will not be measured after this irrigation season, due to a cutback in the diversion program. This cutback necessitated the dropping of all diversion points on this stream above the lowest gaging station.

b Formerly listed as a 6" unit.

c This diversion dropped in 1961 due to a cutback in the diversion program.

d Plant moved to Mile 15.6L.

e Formerly listed as Joe DeMartini.

f Formerly listed as O. R. Shelley.

TABLE 200

DIVERSIONS - DELTA UPLANDS

(Old River, Tom Paine Slough, and French Camp Slough)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.	Oct.	
OLD RIVER	•														
--CONTRA COSTA CANAL--	30.5L														
John A. Bettencourt	a 30.5L	1-18"					2	59	141	149	152	193	140	41	877
Augustus Sarija	b 36.5L	2-6"	14	1			1	49	56	47	59	39	44	16	326
East Contra Costa Irrigation District	b 36.5L	1-18" 3-24" 2-20"	98					3070	6700	6840	7820	7160	3540	620	35850
--STATE HIGHWAY 4 BRIDGE--	38.8														
Byron-Bethany Irrigation District	c 40.9L	1-20" 1-24" 2-30"						4640	7320	7290	8110	7950	5250	1450	42010
--OAOINO STATION - OLD RIVER AT CLIFTON COURT FERRY--	44.0L														
--DELTA MENDOTA CANAL--	44.6L														
M. R. Furtado	d 44.6L	1-14"	25	22	6	4	7	110	232	291	316	205	207	132	1557
J. R. Colburn and Fred H. Draper	44.7L	1-8"					3	35	39	43	68	58	45		291
William M. Ralph	45.3L	1-12"	30	3				172	220	207	90	453	148	76	1399
C. O. Bankhead and Sons	e 47.2L	1-16"	66	6			14	40	122	272	328	208	141		1197
Lucio J. Costa	e 47.2L	1-14"					54	36	183	149	32	212	172	127	965
Johnnie L. Costa	d 47.65L	1-8"						74		46	84	68	40		312
West Side Irrigation District	d 47.65L	1-10" 7-15" 1-18"				42	218	5520	5660	6070	6710	5820	4120	861	35020
Vance Brown	48.4L	1-12"						88	87	45	98	87	35	19	459
Naglee Burke Irrigation District	f 48.6L	1-14"							51	102	181	101			435
Salles Brothers	49.5L	1-4"						1	2	2	2	2	2	1	12
Naglee Burke Irrigation District	50.4L	1-16" 1-18"						1270	1640	1520	1830	1830	1670	398	10160
Fremont Irrigation Association	50.9L	1-16"		225	31		93	165	195	232	326	233	177	40	1717
Joe M. Freitas	51.0L	1-8"							15	13	13	11			52
Arthur Casserini	g 51.2L	1-10"							44		37	26	28	1	136
E. Platti, J. Goulardt, T. Silveira, and A. Galli	h 52.4L	1-10"			7		1	31	34	36	45	35	26	2	217
--TRACY ROAD BRIDGE--	52.8														
--OAOINO STATION-OLD RIVER NEAR TRACY ROAD BRIDGE--	52.8R														
A. L. Galli	53.0L	1-8"			80										80
--MOUTH OF TOM PAINE SLOUGH--	54.3L														
OLD RIVER Totals			233	257	124	46	393	15360	22740	23350	26300	24630	15780	3784	133100
Average cubic feet per second			4	4	2	1	6	258	370	392	428	401	265	62	184
TOM PAINE SLOUGH	••														
Independent Mutual Water Corporation and Company	0.7S	2-18"		707	342	80	66	239	320	481	531	320	266	60	3412
Independent Mutual Water Corporation and Company	1.5S	1-18"		156			7	101	111	143	137	97	55	35	1 842
--HOLLY SUGAR CORPORATION DREDGER CUT--	& 2.1S														
George J. Lake	&(0.5W)	1-10"		11	142							116			269
Holly Sugar Corporation	&(1.2W)	1-14"						71	139	195	226	78			709
Holly Sugar Corporation	&(1.35W)	1-12"						INDUSTRIAL USE ONLY							
--OAOINO STATION-TOM PAINE SLOUGH ABOVE MOUTH--	2.2S														
--MACARTHUR DRIVE BRIDGE--	2.7														

TABLE 200

DIVERSIONS - DELTA UPLANDS

(Old River, Tom Paine Slough, and French Camp Slough) (contd.)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct Acre-Feet
			Nov	Dec	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept.	Oct	
Pescadero Reclamation District 2058 (#1)	2.9S	1-12"		57	61		23	117	93	170	154	171	95	21	962
--LAUREL AVENUE BRIDGE--	3.7														
Frank Bastian	j 4.3S	1-8"					38		36	41	46	17	23		201
--PARADISE ROAD BRIDGE--	6.0														
Pescadero Reclamation District 2058 (#3)	k 6.3S	1-12" 1-20" 1-24"	30				466	1650	1580	2270	2520	2250	1620	442	12830
--MAPLE AVENUE BRIDGE--	7.0														
Pescadero Reclamation District 2058 (#5)	8.3S	1-12"						316	195	241	478	332	50		1612
--CALIFORNIA AVENUE BRIDGE--	8.8														
Pescadero Reclamation District 2058 (#6)	9.0N	1-16" 1-18"						100	250	154	338	222	103	19	1186
TOM PAINE SLOUGH															
Totals			30	931	545	80	600	2594	2724	3695	4430	3603	2212	577	22020
Average cubic feet per second			1	15	9	1	10	44	44	62	72	59	37	9	30
FRENCH CAMP SLOUGH	***														
Carolyn Weston	1.05L	1-12"						24	53	32	95	113	72		389
Carolyn Weston	1.4L	1-6"									22	26	14		62
Carolyn Weston	1.45L	1-6"				19		16	2	41	94	40	44		256
--FRENCH CAMP TURNPIKE--	2.0														
Frank West	2.2L	1-10"						260	204	294	242	178	245	12	1435
Manuel E. Granados	2.3R	1-3"								2	2	1			5
Robert L. Bordenave	m 2.8R	1-8"											21		21
Frank West	3.0L	1-10"	56	6				55	143	61	112	65	95		593
Tom Gomes	3.3L	1-5"						NO DIVERSION							
Tom Gomes	3.4L	1-4"						NO DIVERSION							
--U. S. 50 HIGHWAY--	3.45														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.6														
Milton O. Boege	3.8L	1-8"						NO DIVERSION							
Robert L. Bordenave	3.8R	1-12"								3	99	80	111	40	333
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1														
Clark Anderson	4.2R	1-14"						NO DIVERSION							
--GAGINO STATION-FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4														
FRENCH CAMP SLOUGH															
Totals			56	6	0	19	0	355	402	433	666	503	602	52	3094
Average cubic feet per second			1	0	0	0	0	6	7	7	11	8	10	1	4

* Mileage along Old San Joaquin River from mouth of San Joaquin River 4½ miles below Antioch.
** Mileage along Tom Paine Slough from its mouth at Mile 54.3L on Old San Joaquin River.
*** Mile and bank above mouth.
δ Holly Sugar Corporation Dredger Cut joins Tom Paine Slough at Mile 2.1S. Distance along dredger cut and bank is shown in parentheses.
a Rock Slough joins Old San Joaquin River at Mile 50.5L. Pumping plant is located on intake canal which joins Rock Slough.
b Indian Slough joins Old San Joaquin River at Mile 36.5L. Pumping plant is located on intake canal which joins Indian Slough.
c Italian Slough joins Old San Joaquin River at Mile 40.9L. Pumping plant is located on intake canal which joins Italian Slough.
d Plant is located on intake canal which joins the Old San Joaquin River at this mile.
e Plant is located on Mountain House Creek which joins the Old San Joaquin River at this mile.
f New installation in April 1962.
g Formerly listed as Attilio Casserini.
h Formerly listed as E. Platti, J. Goulardt and T. Silveira.
i Includes an undetermined amount of water returned to the river by spill.
j Replaced a 5" unit in May 1962.
k A 14" and 16" pump replaced a 12" and 24" pump.
m New installation in 1962.

TABLE 201

DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalis)

November 1961 through October 1962

Water User	Mile and Bank a	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan.	Feb.	Mar	Apr	May	June	July	Aug.	Sept	Oct	
--STATE HIGHWAY 4 BRIDGE--	45.[illegible]														
--FRENCH CAMP SLOUGH--	46.1R														
Carolyn Weston	46.2R	1-6"					11	15	2	11	32	27			98
Carolyn Weston	46.5R	1-12"	74	7				163	102	134	85	147	151		a 86[illegible]
Mrs. John Lillie	46.65R	1-10"						63		[illegible]1	56	42	8		200
Frank West	46.85R	1-10"						92	92	68	102	116	36	49	555
F. Asano	47.2R	b 1-6"						11	3	9	11	7	12	2	55
Wolfinger Brothers	47.3R	1-10"						21	37	23	[illegible]0	[illegible]1	15		157
C. C. Long	47.55R	1-10"						59	106	93	116	103	[illegible]8		515
Waldo C. Haack	48.0R	1-14"			33										[illegible]3
Waldo C. Haack	48.1R	1-14"			214	8	96	127	125	159	240	4[illegible]1	65		1465
Chow L. Young	48.3R	1-6"							15	13	13	10	7	[illegible]	61
Joe Calcagno	48.5R	1-8"						2	37	64	63	[illegible]2		[illegible]5	233
C. J. Pregno	48.55R	1-6"								24	17	10		11	62
John Calcagno	48.66R	1-12"						27	57	89	114	68	18	23	[illegible]96
Alfred Rodgers	49.0R	1-12"	29	3	2			15	57	54	75	60	5[illegible]	24	[illegible]72
Ray Muller and F. Terry	49.3R	1-14"						234	65	186	226	82	16		809
Ray Muller and F. Terry	49.5R	1-12"								86	30	156	[illegible]6		308
A. A. Rodgers	50.1R	1-10"					5	17	45	45	47	31	27	9	226
--OAKING STATION-SAN JOAQUIN RIVER AT BRANDT BRIDGE--	50.2														
A. Hirata	50.4R	1-10"						32	32	36	35	46	25	[illegible]	209
K. R. and F. Watanabe	50.6R	1-6"					1	58	18	30	25	21			a 15[illegible]
D. Toscano	50.8R	1-6"						8	22	13	9	12	19		8[illegible]
Pastorino Brothers	50.9R	1-12"						11	105	115	129	131	86		a 577
Felipe Esteban	51.2R	1-12"						50	25	68	75	[illegible]8	27	12	295
W. B. Herbert and Y. B. Lawrence	51.6R	1-10"						60	56	57	67	48	45		[illegible]33
A. McNamara, K. McHamara and Betty French	52.4R	1-5"							8		7	5			20
L. F. Valla	52.65R	1-10"						50	16	62		54			182
J. Widmer	53.2R	1-16"						207	313	160	323	320	247	6	1576
J. Widmer	53.45R	1-12"							30	14	25	11	22		102
Julio Lorenzo	53.5R	1-8"	7	1				6	22	14	[illegible]7	23	6	8	124
Mack Sung	53.55R	1-2"						DOMESTIC USE ONLY							
John Caparra	53.6R	1-4"	1	4			1	4	5		8	8	6	2	[illegible]9
J. Romo and B. Andaya	53.7R	1-14"	24	3			7	186	49	77	84	116	90	4	640
L. N. Robinson, Jr.	53.8R	1-14"	11		3			229	227	321	[illegible]50	[illegible]90	125	79	17[illegible]5
C. N. Hansen, H. C. Hansen and William Olger	54.9R	c 1-10"	[illegible]2	3				83	14[illegible]3	24	218	171	1[illegible]6	110	920
--JUNCTION WITH MIDDLE RIVER--															
Lakewood Stock Farm	57.0R	1-14"						108	469	506	556	417	[illegible]52		2408
Ernest Wennhold and Roy Tholke	57.15R	1-7"						10	[illegible]1	44	27	20	1[illegible]		145
A. J. Thomsen	57.[illegible]9R	1-5"						2	59	21	46	18	26		172
Andrew B. Calori	57.45R	1-6"							10	6	[illegible]3	16			65
D. Cordella	57.5R	1-4"			15			1	5	5	7	2	1		[illegible]6
A. Queirol	58.6R	1-4"							14	1	9	1	1		26
Tony Mayr	58.7R	1-6								8					8
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8														
--OAKING STATION-SAN JOAQUIN RIVER AT MOSSDALE BRIDGE--	58.[illegible]														
--U. S. HIGHWAY BRIDGE--	58.[illegible]														
Libby, Owens, Ford	[illegible].2R	1-6'						NO DIVERSION							
M. H. Madruga	[illegible].3R	1 1-18"						295	7[illegible]	68	442	[illegible]19	209		1426
Eugene J. Ro[illegible]i, et al.	[illegible].9L	1-14"							227	19[illegible]	[illegible]63	106	[illegible]3		852
--WESTERN PACIFIC RAILROAD BRIDGE	[illegible].9														

TABLE 201

DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalis) (contd)

November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	
M. H. Madrugs	e 60.1R	1-6"							59	19	17	19	13		127
O. M. Baird	e 60.1R	1-16"						225	116	275	285	254	114		1269
James and Leslie Little	60.4L	1-3"						PLANT	REMOVED						
A. P. Windeler	60.5L	1-16"					9	286	116	126	198	158	58	21	972
E. Picchi and Son	60.8R	1-8"		51							32				83
E. Picchi and Son	61.4R	1-12"			98			122	36	76	91	35	27		a 485
Lester Bishofberger	62.0R	1-8"							53		22	15			90
Bernice Von Sosten	62.0L	1-12"						185	179	226	214	270	89	30	1193
--PARADISE DAM (HEAD OF PARADISE CUT) --	62.2L														
Paradise Mutual Water Company	f 62.2L	1-14" 1-20"			51		141	270	323	354	448	483	170	24	2264
O. Eldon Everett	63.3L	2-20"			90			330	60	581	477	292	591		2421
State of California	63.3L	1-14"	75				90	433	363	537	509	533	410	83	3033
H. R. Orimes	63.6R	1-12"		130	166						90	16	76		478
O. Eldon Everett	63.7L	1-10"				20			43	11	108	26			208
Alexander Rildebrand	g 66.0R	1-14"	18	2				80	79	38	45	77	59	36	434
Johnnie J. Silva	66.7L	1-16"					91	47	107	120	126	128	22		641
K-C Ranch	66.8R	1-16"						73	17	14	23	17	19	1	164
Oeorge A. Plummer	67.0R	1-6"						7	4	12	21	1			45
Banta Carbona Irrigation District	67.5L	2-10" 2-16" 2-20" 3-24" 1-36"					345	9300	9760	9710	11100	8680	5890	1620	56400
John Reamers	68.2R	1-10"						50	78	63	80	96	40	44	451
Glenn M. West Estate	70.0L	1-10"						93	167	109	205	218	58	29	879
San Joaquin River Water Users Company	71.0R	2-16"	272	40	6	2	146	1000	650	1030	897	938	754	222	5957
E. Filippini	71.0R	1-4"	1						8	10	9	10	9	5	52
A. J. Cardoza & Son	71.75R	1-16"						NO	DIVERSION						
A. J. Cardoza & Son	72.1R	1-10"						16	16	5	41	31	36		145
R. J. Mortensen and Barker	73.2R	1-8" 1-12"	1					335	225	297	255	366	52		1531
San Joaquin River Club	74.7L	1-8"	132	24	91		54	130	118	113	121	61	35	81	960
E. A. Taasi	75.6R	1-16"					27	108	60	73	48	198	144		658
SAN JOAQUIN RIVER (Stockton to Vernalis)															
Totals			677	267	769	30	1024	15340	15320	16730	19490	16590	10610	2609	99430
Average cubic feet per second			11	4	12	1	17	258	249	281	317	270	178	43	137

* Mileage along San Joaquin River from its mouth 4½ miles below Antioch.
a Includes an undetermined amount of water returned to the river by spill.
b Installed a new 6" unit.
c Installed a new unit in 1962.
d Replaced a 15" unit in May 1962.
e Plant is located on Walthall Slough which joins the San Joaquin River at this mile.
f Plant is located on Paradise Cut which joins the San Joaquin River at this mile.
g Plant is located on Old Channel which joins the San Joaquin River at this mile.

TABLE 202

DIVERSIONS - DELTA UPLANDS
Sacramento River below Sacramento and Yolo Bypass (West Cut)

November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec.	Jan	Feb.	Mar	Apr	May	June	July	Aug.	Sept	Oct.	
SACRAMENTO RIVER BELOW SACRAMENTO	*														
--RIO VISTA BRIDGE--	12.9														
John Lira	13.0R	1-6"									17	14	1		32
C. A. Beach	45.2L	1-12"						9	27	20	63	25			144
W. and B. Correa	45.5L	1-10"							34	48	27				109
Nack and Forsythe	45.75L	1-6"						NO DIVERSION							
A. J. Sweeney	45.95L	1-10"						14	11	49	50	47	12		183
--FREEPORT BRIDGE--	46.0														
Freeport Developement Company	46.25L	1-8"						34	138	204	171	79			626
L. J. Oee	46.8L	1-10"						NO DIVERSION							
L. O. Klotz	47.3L	1-8"	5					23	22	36	37	36	35	8	202
E. A. Franklin	47.5L	1-8"						NO DIVERSION							
George Coleman	47.7L	1-6"							2	24	29	4			59
M. A. Richardson	53.7L	1-6"						NO DIVERSION							
--TOWER BRIDGE - SACRAMENTO--	59.0														
SACRAMENTO RIVER BELOW SACRAMENTO Totals			5	0	0	0	0	80	234	381	394	205	48	8	1355
Average cubic feet per second			0	0	0	0	0	1	4	6	6	3	1	0	2
YOLO BYPASS (WEST CUT)	**														
N. L. Sorenson	4.2R(1.9)	1-14"							180	104	32				316
Mounds Farms	4.2R(2.0)	2-12"	64	64	35	34	38	94	77	147	97	103	313	229	1295
N. L. Sorenson	4.2R(2.0)	1-16"	37	36	4			143	166	148	166	195	136	158	1189
Yolo Flyway Farms	5.7R(0.9)	1-18"	93	91	29							15	214	235	677
R.S.W. Ranch	5.7R(1.5)	1-16"	100	98	7			261	478	384	639	567	375	200	3109
Yolo Baaln Farms	6.75R(0.6)	1-16"	270	441	119				2		185	127	339	338	1821
Lucky Five Farms	6.75R(0.7)	1-16"	20	8									25	130	183
U. C. Soda a	7.85R(0.2)	1-16"	53	52	22	1		59	121	234	342	241	151	104	1380
Swanston Land Company	7.87R(0.7)	1-16"								83					83
Swanston Land Company	7.87R(1.6)	1-16"	10	11	1	1	2			269	368	296		88	1046
Vaughn and Vassar b	7.87R(2.0)	1-14"	49	51	5			50	140	193	227	183	95	30	1023
Vaughn and Vassar b	7.87R(2.4)	1-14"	48	49	5			117	299	269	335	242	269	21	1654
Vaugh and Vassar b	7.87R(2.6)	1-14" 1-16"	59	61	6			293	514	594	585	560	519	50	3241
Swanston Land Company	9.1R	1-16"			32						417	182		68	699
T. S. Olide	10.9R(0.1)	1-20"	49	50	5			61	19	14	27	37	402	307	971
T. S. Olide	11.0R	1-20"								39	30	26			95
T. S. Olide	12.4R	1-14"						NO DIVERSION							
T. S. Olide	13.15R	1-16"								24	28	28			80
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2														
T. S. Olide	13.5R	1-10" 1-16"						NO DIVERSION							
T. S. Olide	13.9R	1-16"								138					138
T. S. Olide	14.4R	1-16"								138					138
T. S. Olide	14.8R(0.2)	1-16"									138				138
T. S. Olide	14.8R(1.0)	1-16"									138				138
Cowell Foundation	17.1R(0.7)	1-20"						29	42	41	115	130			357
Cowell Foundation	17.1R(1.4)	3-20" 1-30"	33	258	17		88	549	3870	4160	5640	5200	2520	264	22600
T. S. Olide	18.6R	1-36"							1420	1900	2010	1690	1140		8160
T. S. Olide	18.9R	1-10"						PLANT REMOVED							
--U. S. 40 and 99W CAUSEWAY--	20.1														
YOLO BYPASS (WEST CUT) Totals			885	1270	287	36	128	1656	7328	8879	11520	9822	6498	2222	50530
Average cubic feet per second			15	21	5	1	2	28	119	149	187	160	109	36	70

* Mileage above Chain Island.
** Mileage above Prospect Island.
a Formerly listed as James Irish.
b Formerly listed as Vaughn and Burlingham.
c This is a portable unit which diverts water at miles indicated.

TABLE 203

DIVERSIONS - DELTA UPLANDS
Calaveras River, Mokelumne River, Cosumnes River and Putah Creek below Lowest Gaging Station

November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
CALAVERAS RIVER (a)															
Totals			0	0	0	0	1	62	8	90	86	88	81	2	418
Average cubic feet per second			0	0	0	0	0	1	0	1	1	1	1	0	1
MOKELUMNE RIVER (b)															
Totals			71	62	32	1	8	1071	1564	1889	2240	1771	962	135	9806
Average cubic feet per second			1	1	1	0	0	18	25	32	36	29	16	2	14
COSUMNES RIVER (c)															
Totals			0	53	68	9	142	586	997	1122	1210	1105	192	44	5531
Average cubic feet per second			0	1	1	0	2	10	16	19	20	18	3	1	8
PUTAH CREEK (d)															
Totals			0	0	0	0	21	44	27	137	89	86	44	0	448
Average cubic feet per second			0	0	0	0	0	1	0	2	1	1	1	0	1

a Below gaging station - Calaveras River near Stockton Mile 7.3. Individual diversions are shown in Table 77.
b Below gaging station - Mokelumne River at Woodbridge, Mile 19.2. Individual diversions are shown in Table 76.
c Below gaging station - Cosumnes River at McConnell, Mile 10.7. Individual diversions are shown in Table 75.
d Below gaging station - South Fork Putah Creek near Davis Mile 7.2. Individual diversions are shown in Table 74.

TABLE 204

DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands)

November 1961 through October 1962

Water User	Mile and Bank a	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
MISCELLANEOUS DELTA UPLANDS															
Five Mile Slough															
Sam Hernandes	2/6-17D	1-3"						NO DIVERSION							
Denver Henderson	2/6-8N	1-8"					2	7	6	12	11	7	5		50
Disappointment Slough															
H. Moffat and Elbon Land Company	2/6-6P	1-18"						112	269	439	430	528	247	62	2087
H. Moffat and Elbon Land Company	2/6-6J	1-14"						543	410	323	488	438	452	46	2700
Telephone Cut															
Baldwin and Sanderson a	3/5-35A	Gravity	60	20	2									96	178
Baldwin and Sanderson b	3/5-36A	1-7½"			11	107	5	31	69	62	116	112	38	1	552
E. V. Lang	3/5-36D	Gravity						NO DIVERSION							
E. V. Lang	3/5-36C	Gravity						NO DIVERSION							
E. V. Lang	3/5-26R	Gravity	24	8	1									38	71
Baldwin and Sanderson a	3/5-25R	1-16" 1-12"				230	4	75	159	222	267	229	99	5	1290
Baldwin and Sanderson a c	3/5-36B	1-12"							30	20	48	48	17		163
White Slough															
Bert Van Ruiten	3/5-25C	1-16"	27	27	9	5	6	127	118	238	276	250	126	68	1277
Bert Van Ruiten	3/5-26C	1-12"	17	17	17	16	4	139	77	179	240	215	91	86	1098
Hog Slough															
Robinson Farms	4/5-28B	Gravity	12	4	2									24	42
Robinson Farms	4/5-28B	Gravity	210	193	28	6		36	58	77	41	43	45	209	946
Thomson-Polger Company	4/5-28C	1-12" Gravity	69	70	28		10	241	189	261	296	297	169	254	1884

TABLE 204

DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands) (contd.)

November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	
Beaver Slough															
C. B. Orvis	4/5-15C	1-15"	1				11	84	103	131	143	133	120	24	750
C. B. Orvis	4/5-15D	1-18"	34	35	3	1	22	248	271	286	365	307	245	164	1981
Canal Ranch	4/5-16B	1-8" Gravity						193	203	269	296	256	291	82	1590
Canal Ranch	4/5-16D	1-8"					36	123	163	218	185	221	137	110	1193
Burton Slough															
Clow and Rose	5/5-28D	1-10"								7	16	9			32
Barnes Ranch	5/5-29D	1-5" 1-10"						NO DIVERSION							
Clow and Rose	5/5-20K	1-8"								5	98	96			199
Morse Brothers	5/5-16N	1-16"						141	204	237	304	277	151		1314
Clow and Rose	5/5-15M-1	1-10" 1-14"							368	345	400	443	477	50	2083
Morse Brothers	5/5-15M-2	1-14"	317					196	268	374	440	347	184	16	2142
Thomas B. Sharp	5/5-16J	1-12"							388	226	286	325	282		1507
East Dredger Cut - Snodgrass Slough															
H. E. Oraf	6/5-31N	1-12"						NO DIVERSION							
Alfred Kuhn	6/4-36Q	1-16"						11	40	195	229	145	139	25	784
Duck Slough Extension															
Isabella Wineman	6/2-26B	1-14"	19	3				123	140	205	185	221	145	33	1074
Isabella Wineman	6/2-26D	1-12"	6	1				72	112	132	150	131	99	26	729
Isabella Wineman	6/2-26J	1-14"	34	7		41		218	316	293	370	280	215	93	1867
Hals Slough															
Elmira Farms	6/2-33H	1-12"	25	26	26						165	75	12	98	427
Reclamation District 2068	6/2-34O	1-24" 2-30" 1-36"	2400	1	21		16	5120	8170	8760	8440	8630	6730	2310	50600
Francis P. Gunning	6/2-34P	1-16"		60	12		3	201	209	213	294	269	201	117	1579
Cache Slough															
Carpenter Ranch	4/3-20B	1-12"						45	142	95	127	80	105		594
Harold D. Miller	5/2-4B	1-14"						84	112	129	112		173	77	687
Jack Parker	5/2-4K	1-12"	6	2				41	41	79	57	63	54	50	393
Ervin E. Vassar	5/2-4K	1-20"	8	10	2			94	446	458	365	365	247	43	2038
Calhoun Cut															
Hamilton and Nyman	5/1-25D	1-10"						PLANT REMOVED							
Matilda Hall	5/2-19J	1-10"	11	10			1		87	60	75	66	48	12	370
Unsegregated															
Porter Estate Company	2/3-19E	1-16"	12	1				11	20		24		28	18	d 114
Red House Ranching Company	3/5-23L	1-10"						94	79	138	117	142	76	38	684
R. C. Coldani	3/5-14L	1-14"	9	10	4	3	4	158	162	177	141	166	167	58	1059
Cotta and Sousa	4/5-34Q	1-16"	10	10	10	9	3	222	239	243	394	258	195	49	1742
H. L. Sorensen	6/3-18P	1-14"	36	36				133	137	236	218	104	84	36	g 1022
H. L. Sorensen	6/3-20J	1-16"	45	44					1		116	155	35	103	499
H. L. Sorensen	6/3-19E	1-14"	17	16	3			121	155	256	172	148	240	112	1240
H. L. Sorensen	6/3-30D	1-14"	74	72	14			105	149	151	252	305	216	256	1574
H. L. Sorensen	6/3-30L	1-16"	78	75						129	132	198	110	166	888
Reclamation District 2068	6/2-25P	1-12"													e
Sub-Irrigated Lands	f						83	106	117	152	171	144	106	91	970
MISCELLANEOUS DELTA UPLANDS Total			3561	758	135	418	210	9255	14250	16110	17050	16530	12600	5148	96060
Average cubic feet per second			60	12	3	8	3	156	231	271	277	269	212	84	133
DELTA UPLANDS Total			4418	3604	2018	619	2527	46400	65570	72820	83480	74240	49650	14580	421800
Average cubic feet per second			93	59	33	12	41	780	1066	1224	1358	1219	834	237	583
Monthly use in percent of annual			1.3	0.9	0.5	0.1	0.6	11.0	15.5	17.3	19.8	17.8	11.8	3.4	

* Figures represent North Townships, East Ranges and Sections. Letters represent the 1/4 - 1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.

a Formerly listed as E. V. Lang.

b New installation in 1962. Formerly listed at Mile 3/5-35B.

d Includes an undetermined amount of Marsh Creek water.

e Diversion in 1962 was all controlled drainage water.

f Estimated consumptive use on lands in the Delta Uplands considered as sub-irrigated from tidal channels during 1961 without a specific point of diversion.

g Includes undetermined amount of drain water.

TABLE 205

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge)
November 1961 through October 1962

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	
--DURHAM FERRY BRIDGE--	6.														
--GAGING STATION - SAN JOAQUIN RIVER NEAR VERNALIS--	[illegible]														
Cook Land and Cattle Company	8.9R	1-14" 1-24"						363	294	485	600	282	318	110	2452
Cruze, Trudel and Gillmeister (a)	9.4R	1-20"					1	8	66	84	245	9		2	508
--STANISLAUS RIVER--	9.7R														
Faith Ranch	9.8R	1-16"	41					81	99	58	149	118	118		664
W. C. Blewett Estate	80.7L	1-12"						159	191		221	130			701
W. C. Blewett Estate	81.8L	2-12" 1-14"	22				45	416	624	615	755	865	52	64	3934 3934
--GAGING STATION - SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE--	81.85														
Blewett Mutual Water Company	81.95L	1-10" 2-12"					231	640	1094	834	1110	963	265	43	5180
El Solyo Water Company	82.0L	1-10" 1-16" 3-18"					131	2340	2290	2210	3000	2360	1110	168	13610
--GAGING STATION - SAN JOAQUIN RIVER AT HETCH HETCHY AQUEDUCT CROSSING--	62.65														
El Solyo Ranch	82.9L	1-16"							203	49	298	179	185	32	946
El Solyo Ranch	83.5L	1-12"						58	15	38	26	28	25	1	191
El Solyo Ranch	83.[illegible]L	1-12"						138	72	149	93	83	92	33	660
Faith Ranch	84.4R	1-20" b 1-16"		4				528	622	654	601	660	693	122	3890
--TUOLUMNE RIVER--	91.0R														
--GAGING STATION - SAN JOAQUIN RIVER AT WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL--	91.8L														
--WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL--	91.8	1-12" 1-24" 6-26"			59	5	633	11200	10900	11400	12400	11000	5510	1260	64370
Fred Lara # 1 **	(0.6S)				31			169	51	209	324	414	139		1337
Frank Sarmento # 1 **	(0.7N)	c 4-16"					54	599	431	457	803	590	233	94	3261
Frank Sarmento # 2 **	(1.1N)	1-14" 1-16"					21	817	558	739	901	808	331	68	4243
Fred Lara # 2 **	(2.2S)	1-16"						29	45	38	51	52			215
Frank Sarmento # 3 **	(2.3N)	2-16"						302	293	454	360	421	259	125	2214
J. V. Steenstrup Estate	93.1R	2-12"						187	288	242	480	607	296		2100
T. C. Daily (d)	94.1L	1-3" 1-6"						51	48	52	60	76	5		292
Rancho Dos Rios	94.7R	1-12"	98		2	2	134	290	275	366	468	402	168	59	2264
E. L. Brazil	95.5R	1-16"	124				52	280	151	159	228	194	91		1279
Charles Correia	95.8R	1-10"						25	18	30	21	53	27		174
W. F. Cook	96.0L	1-18"		5	1	5	192	661	556	619	796	531	193		e 3559
--GAGING STATION - SAN JOAQUIN RIVER AT GRAYSON--	96.05														
--LAIRD SLOUGH BRIDGE--	96.05														
E. S. Brush	98.5R	1-7"						NO DIVERSION							
Rancho El Pesadero	98.9L	1-18"					120	440	372	307	571	343	169	51	2373
--GAGING STATION - SAN JOAQUIN RIVER AT PATTERSON BRIDGE--	104.4														
Patterson Water District	104.4L	1-14" 2-18" 3-20" 1-36"					498	6630	6100	7200	8760	7700	4640	158	41690
Chase Brothers	104.5R	1-18"						84	388	439	382	352	274	13	1932
--PATTERSON BRIDGE--	104.6														
Chase Brothers	106.5R	1-12"						487	464	481	476	606	301	23	2764
Tony Spinelli	109.1R	1-12"						87	35	78	48	34	65	40	387
Twin Oaks Irrigation Company	109.8L	1-12" 2-16" 1-18"	28				125	1300	2282	2012	2303	1910	566	328	10911
T. J. Henderson	11[illegible].5R	[illegible]-8"			1[illegible]					[illegible]	351	390	9	10[illegible]	[illegible]

TABLE 205

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge (conto)
November 1961 through October 1962

Water User	Mile and Bank a	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov -Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
L. A. Thomson	112.55R	1-18"						427	390	288	212	333	45	54	1749
Frank C. Mosier	113.4R	f 1-12"					27	231	145	174	162	190	154	115	1198
--GAGING STATION - SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE--	113.4														
Frank C. Mosier	114.63R	1-8"							52		27	13	33		125
Manual A. Serpa	114.75R	2-10"					17	266			123	85	17		508
--ORESTIMBA CREEK--	115.2L														
Roy F. Crow	115.8L	1-10"						206	187	152	196	307			1048
L. B. Crow	116.05L	1-14"					15	113	216	147	199	219	52	77	1038
John W. Greer	116.5R	1-12"					39	346	238	328	312	285	106	2	1656
Stevinson Water District	121.3R	1-18"				5		94	166	214	104	126	123	2	834
--MERCED RIVER SLOUGH--	122.2R														
--GAGING STATION - SAN JOAQUIN RIVER NEAR NEWMAN--	123.7														
--MERCED RIVER--	123.75R														
Stevinson Corporation	129.1L	1-16"						1	130	179	45	365	152		872
--GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE--	129.5														
VERNALIS TO FREMONT FORD BRIDGE															
Total			313	9	109	17	2335	30080	30350	31960	38260	34180	17380	3153	188200
Average cubic feet per second			5	0	2	0	38	506	494	537	622	556	292	51	260
Monthly use in percent of seasonal			.2	0	.1	0	1.2	16.0	16.1	17.0	20.3	18.2	9.2	1.7	

** West Stanislaus Irrigation District Canal. The intake canal joins the San Joaquin River at mile 91.8L. Distance from the river and the bank is shown in parentheses.
* Mileage along San Joaquin River from its mouth, 4.5 miles below Antioch.
a Formerly listed as Cruze, Gonsalves and Moresco.
b The 16" unit was installed in 1962.
c Two 16" units were installed in 1962.
d Formerly listed as George Covert.
e Includes an undetermined amount of water returned to river by spill.
f Replaced a 10" unit in April 1962.

TABLE 206

DIVERSIONS - SAN JOAQUIN RIVER
(Fremont Ford Bridge to Gravelly Ford)

November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept	Oct	
--GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE--	129.5														
--GAGING STATION - SAN JOAQUIN RIVER NEAR DOS PALOS	186.0														
San Luis Canal Company (a)	186.6L	Gravity	3543	2739	1013	2269	9606	18380	21975	25676	27366	25269	18165	7449	163450
--FIREBAUGH BRIDGE--	198.4														
--GAGING STATION - SAN JOAQUIN RIVER NEAR MENDOTA MENDOTA--	206.2														
--MENDOTA DAM--	208.63														
Central California Irrigation District (a)	208.8L	Gravity	12434	784	2567	6406	21402	68397	71429	81998	89520	81896	38342	21012	496187
--PRESNO SLOUGH--	209.0L														
--DELTA MENDOTA CANAL--	δ(0.2L)														
Firebaugh Canal Company (a)	δ(0.4L)		835	117	20		1722	9956	11748	13440	14231	13765	5946	1203	72983
M. Jensen (b)								NO DIVERSION							
M. L. Dudley	δ(3.4L)						274	516	454	591	629	411	42		2917
State of California Mendota Waterfowl Management (b)	δ(6.45-8.20)	1-16"	1400	1285					397	2257	3172	1767	3255	3917	17450
Fresno Slough Water District (b)	δ(9.20-10.50)						379	458	468	1500	1142	978	147		5072
--JAMES BYPASS--	δ(11.80R)														
Traction Water District (b)	δδ(0.75)		151	4			32	760	579	1117	1230	1137	766	524	6300
Reclamation District 1606 (b)	δδ(1.50)			22			20	63	111	141	167	103			627
James Irrigation District (b)	δδ(4.4)						1422	1632	1176	4608	6563	6222	428		22051
Tranquillity Irrigation District (b)	δ(12.00-13.75)		95				3545	2781	2836	7571	8479	7127	1452	204	34090
Melvin D. Hughes (b)	δ(12.20)						36			26	46	30			138
--LINE WILLOW SLOUGH--	219.8R														
Columbia Canal Company (a)	219.8R		2009	714	446	510	5452	6378	7702	8920	8763	8519	6218	3368	58999
State Center Duck Club (c) (b)			54	95	13										162
C. Sawall (d) (b)							8	2	38	20	28	30			126
Mendota Duck Club (e) (b)								NO DIVERSION							
M. Beck (f) (b)			8	6										44	58
E. P. Jenninga (b)			46					143		155	99	89	26	6	564
P. A. Yearout (b)								103	60	83	89	42			377
Tulle Gun Club (g) (b)								NO DIVERSION							
--GAGING STATION - SAN JOAQUIN RIVER AT WHITEHOUSE	219.83														
--GRAVELLY FORD CANAL--	232.8R														
FREMONT FORD BRIDGE TO GRAVELLY FORD Total			20597	5744	4059	9185	43898	109569	118973	148103	161524	147385	74787	37727	881551
Average cubic feet per second			346	93	66	165	714	1841	1935	2489	2627	2397	1257	614	1218
Monthly use in percent of seasonal			2.3	0.6	0.5	1.0	5.0	12.4	13.5	16.8	18.3	16.7	8.5	4.3	

* Mileage along San Joaquin River from its mouth 4.5 miles below Antioch.

δ Plant is located on Fresno Slough which diverts from San Joaquin River at mile 209.0L. Distance from San Joaquin River and bank is shown in parentheses.

δδ Plant is located on James Bypass which diverts from Fresno Slough at Mile δ (11.80R). Distance from Fresno Slough and bank are shown in parentheses.

(a) Records furnished by contracting entities.

(b) Records furnished by U. S. Bureau of Reclamation.

(c) 1 - 6" pump located on arm of slough, at S.W. corner S.12, T.14S., R.15E.

(d) 1 - 8" pump located on arm of slough, 1500' W. of S.E. corner, S.18, T.14S., R.16E.

(e) 1 - 8" pump located on arm of slough, at S. 1/4 corner, S.11, T.14S., R.15E.

(f) 1 - 8" pump located on arm of slough, 1400' S. of N.E. corner, S.24, T.14S., R.15E.

(g) 1 - 8" pump located on arm of slough, adjacent to M. Beck

TABLE 207

DIVERSIONS - SAN JOAQUIN RIVER
(Gravelly Ford to Friant Dam)
November 1961 through October 1962

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
W. A. Kochergen 1	233.66R	1-6"	29					38	49	81	75	67	36	31	406
Dewey W. Johnson 1	235.33R	1-5" 1-10"	2				16	31	36	72	75	37	2		271
J. A. Petereon	237.98R	1-6"					11	39	35	60	49	15	6		233
--SCAGGS BRIDGE--	238.18														
A. and M. Overgeard	243.84R	1-5" 1-6"	5				37	35	21	87	117	61	9	5	377
--U. S. 99 Highway Bridge--	247.38														
--SANTA FE RAILROAD BRIDGE--	249.23														
Miller Brothers	251.46L	1-6"						65	80	51	74	79	34	8	391
L. L. Howard	254.93R	1-6"						60		44	45	56	12		217
Oscar Spano River Ranch 1	257.10L	a 1-16"	6					73	33	135	173	120	34	11	585
Oscar Spano River Ranch 2 (b)	257.70L	1-12"	2					34	37	51	120	57	45	33	379
L. D. Cobb	258.08R	1-6" 1-7"						62	36	145	170	150	77		640
--STATE HIGHWAY 41 BRIDGE--	258.33														
R. J. Curtis	258.39L	1-4" 1-7"					39	62	36	95	105	74	39		450
W. E. Roberts 2	258.90L	1-12"	5	1	1	1	1	63	87	117	109	111	77	17	590
J. E. Cobb	259.39R	2-6"	3					11	12	80	72	68	12	2	260
--OLD LANES BRIDGE--	259.78														
J. E. Cobb 3	260.40R	1-6"	16		1		17	91	101	116	119	120	82	49	712
R. C. Arnold	261.53R	1-4" 1-5"	56			3		77	42	12	47	30			267
Duane M. Folsom	261.70L	1-6"	14					50	83	117	126	118	81	64	653
E. O. Rank, Jr.	262.32L	1-5"	7					31	40	57	83	68	6	21	313
Dale McCoon 1	262.60R	1-5"	17						47	76	135	82	21		378
W. H. Rohde	262.66L	1-7"						35	14	62	102	51	23	3	290
Dale McCoon 2	263.40R	1-7"	21						38	114	170	152	59		554
Dale McCoon 3	263.48R	1-6"						5	36	92	125	110	26		394
H. K. Jensen	263.76R	1-5"	8					8	56	29	27	27	26		205
H. W. Ball 4	264.08L	1-6"								72	94	64	62		292
Ike D. Ball	264.60R	1-6"	32					77	96	103	113	109	76	37	643
W. F. Ball	264.83L	1-4" 1-5"	20					45	64	71	85	91	39	30	445
Virgil Durando	267.56L	1-8"						60	61	165	231	145	56	32	750
--OAOINO STATION - SAN JOAQUIN RIVER BELOW FRIANT--	268.13L														
--FRIANT BRIDGE--	268.88														
--COTTONWOOD CREEK--	269.53R														
--FRIANT DAM--	269.63														
GRAVELLY FORD TO FRIANT DAM															
Total			243	1	2	4	121	1052	1140	2104	2641	2062	940	385	10700
Average cubic feet per second			4	0	0	0	2	18	19	35	43	34	16	6	15
Monthly use in per cent of seasonal			2.3	0	0	0	1.1	9.8	10.7	19.7	24.7	19.3	8.8	3.6	

* Mileage along San Joaquin River from its mouth 4½ miles below Antioch.

a Replaces 1-8" unit.
b Formerly listed as Pappas Brothers.

TABLE 208

DIVERSIONS - MERCED RIVER
November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June	July	Aug	Sept	Oct.	
--HILLS FERRY BRIDGE--	1.1														
Stevinson Water District #1	1.8R	1-16"					179	466	83	389	477	323	404		2321
Stevinson Water District #2	3.8R	1-18"	3	4			581	313	422	654	705	700	1180	100	4662
Milton Gordon	4.3L	1-10"				11	31	19	12	46	41	39	30	17	246
--GAGING STATION - MERCED RIVER NEAR STEVINSON--	4.6														
Marie De Angelis	5.8L	1-12"						5	61	91	49	54	68		328
Stevinson Water District	6.1L	1-20"	70	21			141	330	378	340	397	231	108	32	2048
Stevinson Water District #3	7.7L	1-20"	103	76			151	663	46		20	56	13	192	1320
Manuel Clemintino	8.5L	1-12"					6	3	15	29	20	26	29		128
Manuel Clemintino	8.9L	1-12"						50	41	36	43	52	116		338
Samuel B. McCullagh	9.4L	1-8"						128	23	68	30	164	30		443
Mrs. J. R. Jacinto	9.6L	1-12"						50	112	116	45	142	57	47	569
Mrs. J. B. Silva, and E. and J. Gallo Winery Ranch, L. Alves and A. Mattos	10.35L	1-10"	6	6		7	12	219	208	282	36	343	81	54	1254
Manuel Freitas	10.9L	1-12"	29				36	87	75	53	25	244	131	30	710
R. E. Prusso and John Vierra	10.9L	1-5" 1-8" 1-12"					21	103	43	106	100	115	87	66	641
E. and J. Gallo Winery Ranch	11.6L	1-18"	200				41	283	275	316	478	376	93	245	a 2307
--MILLIKEN BRIDGE--	11.65														
E. and J. Gallo Winery Ranch	12.35L	1-10"	73				5	22	7	33	49	16		5	210
Anthony L. Calderia	12.5R	1-12"					1	19	20	39	26	109	46	9	269
E. and J. Gallo Winery Ranch	12.85L	1-12"	191				24	122	15	184	142	103		5	786
J. M. Souza	14.5L	1-10"						40	26	72	54	69	16	32	309
--GAGING STATION - MERCED RIVER NEAR LIVINGSTON--	16.49														
E. and J. Gallo Winery Ranch	16.5L	1-14"	124			2		47	12	151	146	142			624
J. E. Gallo	20.4L	1-7"	85				11	58	44	49	58	110	1	1	417
--U. S. HIGHWAY 99 BRIDGE--	21.04														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	21.05														
Gallo Cattle Company	22.2R	1-8" 1-16"	93			8	94	249	229	267	348	406	251	57	2002
Gallo Cattle Company	22.8R	1-12" 1-15"	54				124	211	159	271	538	195	70	180	1802
Merced River Farms Association	26.3R	1-8"						69	50	85	59	56	28	12	359
W. C. Magneson	26.8R	1-3" 1-10"						INDUSTRIAL USE ONLY							Plant Removed
--SANTA FE RAILROAD BRIDGE--	27.05														
W. C. Magneson	27.5R	1-10"							28	89	59	88	104	14	382
--GAGING STATION - MERCED RIVER AT CRESSEY--	27.55														
--CRESSEY BRIDGE--	27.55														
Manuel Silva	29.9R	1-6" 1-10"	26					37	13	61	56	69	49		311
Manuel Silva	30.95R	1-12"	39					72	42	130	103	179	91		656
Rancho Con Valor	31.1L	1-8"						2	8	93	66	44	6		219
Manuel Silva	31.4R	1-10"	6					30		23	21	29	34		143
P. Hilarides	32.3L	1-12"						70	52	58	57	47	11		295

TABLE 208

DIVERSIONS - MERCED RIVER (contd.)
November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan	Feb.	Mar	Apr	May	June	July	Aug.	Sept	Oct	
--SHAFFER BRIDGE--	32.5														
Harry P. Schmidt and Son (b)	33.1R	1-10"							5	95	16	91	37		244
Walter Bettencourt	34.4L	1-1½"	INDUSTRIAL USE ONLY												Plant Removed
Walter Bettencourt	34.45L	1-12"	26												26
W. P. Bettencourt, P. P. Hilarides, and Cowell Lime and Cement Company	36.9L	Gravity	195	124	45	187	136	655	1040	1190	1460	1780	794	180	7788
Reinero Brothers	39.1L	1-14"				11	158	38	19	38	39	40			343
Ratzlaff Brothers	40.2L	1-4"						7	54	50	41	54	13		219
--COX FERRY BRIDGE--	42.1														
Cowell Ditch	45.3R	Gravity	1320	1030	1260	1970	1070	2090	3860	3680	3660	3430	2580	658	26610
--GAGING STATION - MERCED RIVER BELOW SNELLING--	46.2														
MERCED RIVER															
Total			2643	1261	1305	2196	2822	6557	7477	9184	9464	9922	6558	1936	61330
Average cubic feet per second			44	21	21	40	46	110	122	154	154	161	110	31	85
Monthly use in percent of seasonal			4.3	2.1	2.1	3.6	4.6	10.7	12.2	15.0	15.4	16.2	10.7	3.1	

a Includes an undetermined amount of water returned to river by spill.

b Formerly listed as Albert Chavas.

TABLE 209

DIVERSIONS - TUOLUMNE RIVER
November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sept	Oct.	
E. T. Mape	0.9R	1-12"						PLANT REMOVED							
E. T. Mape	1.3R	1-14"	485		12	33	79	558	266	936	794	945	834	253	5195
J. V. Steenstrup Estate	1.9L	a 2-12" b 1-10"						145	99	395	327	406	207		1579
J. V. Steenstrup Estate	2.9L	1-10" 1-12"						313	239	279	230	72			1133
--GAGING STATION - TUOLUMNE RIVER AT TUOLUMNE CITY-- (SHILOH BRIDGE)--	3.35														
Bancroft Fruit Farms	5.0R	1-10"					11	42	52	49	43	63	38	4	302
Della Battestin	5.9L	1-14"	7												7
Western Farms	6.3L	1-16"	7					85	72	121	110	60	87		542
Eugene Boone, Galen Hartwich, and Dr. Harold Willis	7.1R	1-10"	2					113	73	94	91	60	46		479
Beth Wootten (c)	8.4R	1-10"						126	30			38	5	19	216
Ella T. Rahilly Estate	8.5L	1-10"						89	88	111	94	69	45		496
A. C. Watkins Estate	9.4L	1-20"	12				15	23	393	416	257	222	181	62	1581
A. C. Watkins Estate (d)	9.6L	1-12"						53	37	52	149	258	118	116	783
McClure Ranches	9.7R	1-12"							4	62	70	82	32		250
Raymond Boone	10.2R	1-14"	5				22	95	73	113	126	92	72	4	602
--CARPENTER ROAD BRIDGE--	12.9														
--SEVENTH STREET BRIDGE--	15.75														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	15.8														
--U. S. HIGHWAY 99 BRIDGE--	16.05														
--GAGING STATION - TUOLUMNE RIVER AT MODESTO--	16.05														
--DRY CREEK--	16.5R														
--EAST MODESTO BRIDGE--	19.3														
Jack Gardella	20.3R	1-10"					12	55	69	73	64	49	35	4	361
--SANTA FE RAILROAD BRIDGE--	21.6														
--SANTA FE ROAD BRIDGE--	21.65														
A. L. Leib	22.8R	1-3" 1-6"	5					8	18	35	38	32	20	4	160
--GEER AVENUE BRIDGE--	26.0														
Standard Materials	27.3L	1-3"						INDUSTRIAL USE ONLY							
Santa Fe Rock and Sand	28.5R	1-6"						INDUSTRIAL USE ONLY							
Michel Investment Company	28.8R	1-8"			1			74	78	71	107	107	20	15	473
J. W. and Lola May Short	29.8L	1-10"							16	16	46	13	12		103
Firpo Ranch	30.2L	1-10"	23					75	76	65	64	81	74	36	494
--SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)--	31.5														
--GAGING STATION - TUOLUMNE RIVER AT HICKMAN BRIDGE--	31.7														
A. E. Ketcham Estate (e)	39.4R	1-8"						58	102	94	143	114	76	11	598
--GAGING STATION - TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE--	39.9														
Westley N. Sawyer (f)	40.8L	1-14"	4					65	40	124	102	88	46	6	475
Curtner Zanker	45.7L	1-10"	9					88	77	135	102	79	26	14	530
Dolling Brothers	46.3R	1-8"						63	81	87	103	84	99	22	539
--STATE HIGHWAY 132 BRIDGE--	47.4														
--GAGING STATION - TUOLUMNE RIVER AT LA GRANGE--	50.5														
TUOLUMNE RIVER															
Total			559	0	13	33	139	2128	1983	3328	3060	3014	2073	570	16900
Average cubic feet per second			9	0	0	1	2	36	32	56	50	49	35	9	23
Monthly use in percent of seasonal			3.3	0	.1	.2	.8	12.6	11.7	19.7	18.1	17.8	12.3	3.4	

a One 12" unit was installed in 1962.
b The 10" unit was a temporary installation during 1962.
c Formerly listed as W. F. Duffy.
d Installed prior to 1962. Not previously listed.
e Formerly listed as A. E. Ketcham.
f Formerly listed as George H. Sawyer.

TABLE 210

DIVERSIONS - DRY CREEK
November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	
Podesta and Arata	0.4F	1-6"						22	3	15	2	6			48
--MODESTO-EMPIRE TRACTION COMPANY RAILROAD BRIDGE	0.7														
--STATE HIGHWAY 132 BRIDGE (YOSEMITE BOULEVARD)--	0.8														
--LA LOMA BRIDGE--	1.2														
--EL VISTA AVENUE BRIDGE--	2.9														
--GAGING STATION - DRY CREEK NEAR MODESTO--	5.3														
--CLAUSS ROAD BRIDGE--	5.4														
--SANTA FE RAILROAD BRIDGE--	6.4														
--CHURCH STREET BRIDGE--	7.2														
--WELLSFORD ROAD BRIDGE--	8.7														
--ALBERS ROAD BRIDGE--	11.0														
--MODESTO IRRIGATION DISTRICT CANAL CROSSING--	11.1														
Edward Johnson	12.6R	1-6"	1		1		1	1	1	1	12	26	35	6	85
Edward Johnson	12.7R	1-6"						49	54	77	85	79	57	10	411
Joe Fagundes	14.7R	1-10"	2	3			44	96	115	113	136	176	111	30	826
--OAKDALE - WATERFORD HIGHWAY Bridge	17.4														
DRY CREEK															
Total			3	3	1		45	168	173	206	235	287	203	46	1370
Average cubic feet per second			0	0	0		0.7	2.8	2.8	3.5	3.8	4.7	3.4	0.7	1.9
Monthly use in percent of seasonal			.2	.2	.1		3.3	12.3	12.6	15.0	17.2	20.9	14.8	3.4	

TABLE 211

DIVERSIONS - STANISLAUS RIVER
November 1961 through October 1962

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
--OAKDALE STATION - STANISLAUS RIVER NEAR MOUTH--	1.9														
Cook Land and Cattle Company and C. M. Carroll	1.9R	1-16"						16	16	45	5[illegible]	66	3		204
C. C. Angyal	2.4R	1-16"					55	178	52	288	263	257	76		a 1169
Faith Ranch	3.4L	2-12" 1-16"	54					671	544	601	460	661	270	115	3384
Reclamation District 2064	4.0R	1-14" 1-16" 2-20"	130				322	1616	1505	1754	183	1598	1415	403	10580
Reclamation District 2075	4.05R	2-16" 1-20"	558	20	13		646	2733	2319	2650	2957	2855	2317	597	17660
D. F. Koetitz	4.7L	1-14"	123					150	153	99	300	334	180	25	1364
E. T. Mape	4.75L	1-20	341	42	6		20	52							461
Henry Pelucca	5.5L	1-16"					8	155			61	55	41		320
Alice Gill	6.4L	b 1-12"						26	213		180	103	96	2	a 620
D. J. Macedo	8.4R	1-16"					154	361	360	482	485	363	265		2470
N. E. Cannon	8.7R	1-10"	49				95	370	322	413	430	368	287	58	2392
D. P. Koetitz	9.4L	c 1-12"						312	443	433	304	359	260	113	2224
--GAGING STATION - STANISLAUS RIVER AT KOETITZ RANCH--	9.5														
John L. Hertle	9.8L	1-10"						50	37	55	5[illegible]	63	29		286
Nelson Santos	10.0R	1-16"					14	99	51	146	214	139	101	39	a 803
Nelson Santos	10.5R	1-16"					30	361	31	116	4[illegible]8	511	267	11	a 1805
John L. Hertle	10.7L	1-10"						34	26		16	4[illegible]	54		174
Modesto Sand and Gravel	15.6L	1-3½"	INDUSTRIAL USE ONLY												
--GAGING STATION - STANISLAUS RIVER AT RIPON--	15.7L														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	15.7														
--U. S. HIGHWAY 99 BRIDGE--	15.7														
A. Girardi	17.7L	1-16"	1	1			1	94	332	268	182	333	262		a 1474
E. J. Freethy	19.0R	1-14"						139	83	107	185	112	85	26	737
Libby, McNeill and Libby (d)	20.9R	1-14"						260	162	260	280	222	180		1364
Heath Ranch	21.2L	1-6"						52	45	73	52	42	58	24	346
Thomas Lyon	23.4L	1-8"								28	49	35	22		134
--MODESTO-ESCALON HIGHWAY BRIDGE--	29.6														
F. K. Floden	29.9L	1-10"								11	37		10		58
--SANTA FE RAILROAD BRIDGE--	33.4														
--GAGING STATION - STANISLAUS RIVER AT RIVERBANK--	33.6														
Oakdale Irrigation District (e) (Crawford Pump)	37.7L	1-14"					7	165	96	253	177	143	32		a 873
Oakdale Irrigation District (e) (Brady Pump)	39.1L	1-12"						140	94	118	159	142	92		a 745
--OAKDALE-STOCKTON HIGHWAY BRIDGE--	41.2														
--SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)--	41.2														
--GAGING STATION - STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE--	47.0														
Standard Rock Company	51.8L	1-10"	INDUSTRIAL USE ONLY												
Walter B. Wilms Estate	52.0L	1-10"	PLANT REMOVED												
--KNIGHTS FERRY BRIDGE--	54.5														
STANISLAUS RIVER															
Total			1256	63	19		135[illegible]	8034	[illegible]084	8200	92[illegible]	8505	6[illegible]0[illegible]	[illegible]413	51650
Average cubic feet per second			21	1	0		22	135	11[illegible]	138	150	143	10[illegible]	[illegible]3	[illegible]1
Monthly use in percent of seasonal			2.4	0.1	0		2.6	15.6	13.3	15.9	17.9	17.1	12.4	2.[illegible]	

a Includes an undetermined amount of water returned to river by Spill.
b A 2" unit was removed in 1962.
c Replaces a 10" unit.
d Previously listed as Libby, McNeill and Libby.
e Oakdale Irrigation District for season of 1962 maintained plants at miles 37.7L and 39.1L to supplement district gravity supply.

TABLE 212

DIVERSIONS - TULE RIVER
November 1961 through October 196[illegible]

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre Feet
			Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	
--SUCCESS DAM--	[illegible].0														
--GAGING STATION - TULE RIVER BELOW SUCCESS DAM--	[illegible].35														
Campbell - Moreland Ditch	a 2.4L	Gravity	16	413	553	1136	982	388	746	517	869	723	704	422	[illegible]409
--PORTER SLOUGH--	2.4R														
--GAGING STATION - PORTER SLOUGH AT PORTERVILLE (B LANE BRIDGE)--	2.4R(2.4)														
--PIONEER SPILL--	b 2.4R(3.7R)														
Porter Slough Ditch	c 2.4R(4.5R)	Gravity				235	157	344	319	262	297	612	52		2[illegible]8
--GAGING STATION - PORTER SLOUGH NEAR PORTERVILLE (NEWCOMB ROAD)--	2.4R(5.1)														
Vandalia Ditch	d 3.1L	Gravity		65	179	330	175		93	245	293				1380
--SANTA FE RAILROAD BRIDGE--	5.1														
Poplar Ditch	e 5.8L	Gravity			208	1614	782	523	2044	1707	3367	3338	405		13988
--STATE HIGHWAY 190 BRIDGE--	5.9														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	6.0														
Hubbs-Miner Ditch	f 6.4R	Gravity				452	86	228	128	201	365	422	88		1970
--STATE HIGHWAY 65 BRIDGE--	6.6														
Rhodes-Fine Ditch	g 8.4L	Gravity						317	906	265					1488
--OLIVE AVENUE BRIDGE--	9.9														
--FRIANT KERN CANAL CROSSING	10.5														
Woods-Central Ditch	h 11.0L	Gravity				941									941
--GAGING STATION - TULE RIVER BELOW PORTERVILLE--	11.8														
--OTTLE BRIDGE--	14.4														
TULE RIVER Total			16	478	940	4708	2182	1800	4236	3197	5191	5095	1249	422	29514
Average cubic feet per second			0	8	15	85	35	30	69	54	84	83	21	[illegible]	41
Monthly use in percent of seasonal			0	1.6	3.2	16.0	7.4	6.1	14.4	10.8	17.6	17.3	4.2	1.4	

* Mileage downstream from Success Dam. Formerly reported as downstream from Junction with South Fork Tule River.

a Flow measured at gaging station on Campbell-Moreland Ditch located approximately 2600 feet below head.

b Record at this station has been discontinued.

c Flow measured at gaging station on Porter Slough Ditch located approximately 150 feet below head.

d Flow measured at gaging station on Vandalia Ditch located approximately 1000 feet below head. The greater portion of this water was used to recharge Vandalia Irrigation District well field.

e Flow measured at gaging station on Poplar Ditch located approximately 4750 feet below head.

f Flow measured at gaging station on Hubbs-Miner Ditch located approximately 3400 feet below head except for the months of April, May, June, July, August, September, and October. The record for these months was furnished by Porterville Irrigation District because of backwater at the gaging station. Includes an undetermined amount of water diverted by the Gilliam-McGee Ditch.

g Flow measured at gaging station on Rhodes-Fine Ditch located approximately 3100 feet below head.

h Flow measured at gaging station on Woods-Central Ditch located approximately 100 feet below head.

TABLE 213

DIVERSIONS AND ACREAGE IRRIGATED-EAST SIDE CANALS AND IRRIGATION DISTRICTS*
November 1961 through October 1962

Water User	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total	Acreage Irrigated: General	Rice
Friant-Kern Canal						San Joaquin River									
Total acre-feet diverted	9144	0	339	19165	165271	265979	150181	189517	216574	215821	113048	54159	1399198		
Average cubic feet per second	154	0	6	345	2688	4470	2442	3185	3522	3510	1900	881	1933		
Monthly use in percent of seasonal	0.7	0	0	1.4	11.8	19.0	10.7	13.5	15.5	15.4	8.1	3.9			
Madera Canal															
Total acre-feet diverted	0	0	42	0	8253	30177	29598	52660	66673	62857	26410	409	277079		
Average cubic feet per second	0	0	1	0	134	507	481	885	1084	1022	444	7	383		
Monthly use in percent of seasonal	0	0	0	0	3.0	10.9	10.7	19.0	24.1	22.7	9.5	0.1			
Merced Irrigation District						Merced River									
Main Canal	0	0	0	0	8686	95629	104715	106950	110610	86852	63010	0	[a]576452	[b]100820	4533
Northside Canal	171	54	85	48	208	3348	3862	4134	4735	4479	3669	490	25283	[b]3754	
Total acre-feet diverted	171	54	85	48	8894	98977	108577	111084	115345	91331	66679	490	601735		
Average cubic feet per second	3	1	1	1	145	1663	1766	1867	1876	1485	1121	8	831		
Monthly use in percent of seasonal	0	0	0	0	1.5	16.4	18.0	18.5	19.2	15.2	11.1	0.1			
Turlock Irrigation District						Tuolumne River									
Total acre-feet diverted	791	12180	13120	12390	37650	98100	111900	90590	97460	99250	60650	32610	[c]666691	[d]170984	
Average cubic feet per second	13.3	198	213	223	612	1649	1820	1522	1585	1614	1019	530	921		
Monthly use in percent of seasonal	0.1	1.8	2.0	1.9	5.6	14.7	16.8	13.6	14.6	14.9	9.1	4.9			
Modesto Irrigation District															
Total acre-feet diverted	8348	1887	7	1873	8410	56694	50525	51505	53472	44981	36598	19736	[e]334036	[f]77743	415
Average cubic feet per second	140	31	0	34	137	953	822	866	870	732	615	321	461		
Monthly use in percent of seasonal	2.5	0.6	0	0.6	2.5	17.0	15.1	15.4	16.0	13.5	10.9	5.9			
Waterford Irrigation District															
Total acre-feet diverted	0	0	0	0	302	6745	6912	6763	7323	6595	4989	1973	[g]41602	[h]7514	
Average cubic feet per second	0	0	0	0	5	113	112	114	119	107	84	32	57		
Monthly use in percent of seasonal	0	0	0	0	0.7	16.2	16.6	16.3	17.6	15.9	12.0	4.7			
Oakdale Irrigation District						Stanislaus River									
Northside Canal	346	0	62	36	1571	18281	23292	22921	21250	19305	13579	5669	126312	[i]20213	2789
Southside Canal	0	0	92	125	3016	29341	32716	31886	31458	27881	19517	8009	184041	[j]34149	537
Total acre-feet diverted	346	0	154	161	4587	47622	56008	54807	52708	47186	33096	13678	310353	[k]54362	[k]3324
Average cubic feet per second	6	0	3	3	74	800	911	921	857	767	556	222	429		
Monthly use in percent of seasonal	0.1	0	0	0.1	1.5	15.3	18.0	17.7	17.0	15.2	10.7	4.4			
South San Joaquin Irrigation District															
Total acre-feet diverted	2732	1511	18660	0	1732	46123	51306	48583	48554	48410	35483	8703	311797	[m]61387	336
Average cubic feet per second	46	25	303	0	28	775	834	816	790	787	596	142	431		
Monthly use in percent of seasonal	0.9	0.5	6.0	0	0.5	14.8	16.4	15.6	15.6	15.5	11.4	2.8			

* Data for Madera and Friant-Kern Canal furnished by USBR, all other data furnished by individual irrigation districts.
a An additional 85,813 acre-feet of water was pumped from wells.
b Of this acreage, 2,524 was double cropped. It does not include an undetermined amount of riparian water users acreage.
c An additional 125,570 acre-feet of water was pumped from wells.
d Of this acreage, 18,049 was double cropped.
e An additional 44,240 acre-feet of water was pumped from wells.
f Of this acreage, 10,905 was double cropped.
g An additional 509 acre-feet of water was pumped from wells.
h Of this acreage, 311 was double cropped.
i Of this acreage, 237 was double cropped.
J Of this acreage, 868 was double cropped.
k This acreage also received 42,188 acre-feet of water from wells and controlled drainage.
m This acreage also received an undetermined amount of well water, and an undetermined amount of controlled drainage water from Oakdale Irrigation District. Of this acreage, 4,422 was double cropped. Includes 1,298 acres served by subirrigation.

TABLE 214

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS

November 1961 through October 1962

Water User	Record in Table No.	Monthly Deliveries in Acre-Feet: Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Total
							AMERICAN RIVER							
Natomas Water Company a														
Total acre-feet		2208	2102	1442	1273	1465	1861	2826	2833	2732	2497	2453	1726	25420
Average cubic feet per second		37	34	23	23	24	31	46	46	44	41	41	28	35
Monthly use in percent of seasonal		8.7	8.3	5.7	5.0	5.8	7.3	11.1	11.1	10.7	9.8	9.7	6.8	
San Juan Suburban Water District a														
Total acre-feet		2142	1242	998	909	1304	2823	3649	4215	4459	4273	3607	2045	31666
Average cubic feet per second		36	20	16	16	21	47	59	71	73	69	61	**	44
Monthly use in percent of seasonal		6.8	3.9	3.1	2.9	4.1	8.9	11.5	13.3	14.1	13.5	11.4	6.5	

TABLE 215

DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS*
November 1961 through October 1962

Water User	Mile Post from Canal Head		Monthly Deliveries in Acre-Feet											
	From	To	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
								Delta-Mendota Canal							
State of California (South Bay Aqueduct)	3.54		54	857	23	0	0	43	5	1011	1948	1777	2029	1571	931
Plain View Water District	8.52	20.00	52	5	11	17	38	1816	3267	3262	3717	3361	2081	425	1809
West Side Irrigation District	14.79		0	0	0	0	0	324	596	380	583	141	0	0	202
Banta-Carbona Irrigation District	20.42		221	0	0	0	0	895	1767	0	1419	1399	38	0	5
Hospital Water District	18.05	30.96	172	2	170	1	14	2949	4942	4034	4736	4095	2248	359	23
West Stanislaus Irrigation District	31.31		0	0	0	0	0	2449	2608	1493	5587	3363	0	0	155
Kern Canon Water District	31.31	35.18	33	0	0	0	0	1186	717	1087	1535	1214	504	136	641
Del Puerto Water District	35.73	42.08	141	1	1	2	25	1761	1034	2267	1572	1648	978	217	964
Patterson Water District	42.51		0	0	52	0	81	726	657	707	657	618	415	174	40
Salado Water District	42.10	46.83	0	0	0	0	29	1849	880	1093	2374	1170	316	116	78
Sunflower Water District	44.23	52.02	80	0	0	0	33	1892	1433	1475	2280	1800	302	140	94
Oreatimba Water District	46.83	51.50	96	0	0	0	0	2401	1181	1622	3013	1429	497	40	102
Foothill Water District	51.65	57.46	3	1	0	0	118	1206	1463	1489	1660	1690	797	208	883
Davis Water District	54.01	56.82	0	0	0	0	20	307	493	452	694	802	208	128	310
Mustang Water District	56.83	62.67	81	0	1	0	40	1160	1158	1219	1580	1127	509	131	700
Quinto Water District	63.96	67.55	72	0	0	0	64	339	901	564	829	742	328	129	39
Romero Water District	66.70	68.03	0	0	0	0	0	0	176	163	440	282	184	390	163
San Luis Water District	69.21	90.57	1428	2482	3493	2291	2720	6000	8739	9554	11553	7974	3205	2246	6168
Grassland Water District	70.00		2304	0	0	0	0	0	932	b 711	b 942	b 410	3242	9916	184
Grassland Water District (a)	Pool		5524	1027	0	0	0	0	0	0	0	0	7874	18925	333
State Fish and Game	70.00		0	0	0	0	0	0	0	0	0	0	0	0	
Sam Hamburg Farms	90.91		1	1	1	1	2	2	0	1	1	4	4	1	1
Panoche Water District	93.25	96.70	881	0	559	3491	5273	6439	7266	11634	12986	11287	2480	2153	6444
Eagle Field Water District	93.27	94.57	38	0	0	228	14	504	470	904	667	628	177	33	36
Oro Loma Water District	95.50	96.62	0	0	0	0	0	686	965	911	970	889	250	0	46
Westside Golf Association	95.95		6	2	4	2	6	15	19	20	17	21	18	14	1
Mercy Springs Water District	97.70	98.70	0	0	0	0	0	200	1864	1499	1850	1697	411	0	75
Mercy Springs Water District (a)	Pool		0	0	0	0	0	402	639	252	0	0	0	0	12
Widren Water District	102.03		0	0	0	0	0	221	402	379	473	440	81	0	19
Broadview Water District	102.95		489	143	157	591	668	2282	1653	3077	3318	3019	990	284	166
Total			11646	4521	4472	6624	9145	38054	46227	51260	67601	53027	30166	37736	3605
Net Deliveries, DMC to Mendota Pool			22362	5946	8888	4919	43843	116270	125345	160367	177088	163486	[illegible]	64554	980
								CONTRA COSTA CANAL							
Contra Costa County Water District															
Industrial and Municipal			5527	3467	3388	2891	2683	3217	3121	5700	7196	7836	1506		
Agriculture			147	43	78	9	4	39	1260	1488	1281	1351	634		
Total			5674	3510	3466	2900	2687	3256	5041	7188	8477	9187	2229		

* Data furnished by U. S. Bureau of Reclamation.
a Delta-Mendota Canal water delivered via Delta-Mendota Pool.
b Temporary water from San Luis Wasteway Reservoir.

TABLE 215

DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS (Contd.) *
November 1941 through October 1942

Water User	Mile Post from Canal Head		Monthly Deliveries in Acre-Feet												Total
	From	To	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
								Millerton Lake							
Fresno County Water District #18			[illegible]	1	2	[illegible]	[illegible]	8	11	14	17	16	13	[illegible]	89
Ralston Association			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	.1	1	1	0	[illegible]	6.5
Total			6	1	2	[illegible]	[illegible]	8	11.4	14.1	18	17	13	6	95.5
								Madera Canal							
Madera Irrigation District	6.1	32.2	[illegible]	[illegible]	[illegible]	[illegible]	4752	13353	14672	28182	39061	32875	9870	[illegible]	142745
Adobe Ranch	[illegible]	.6	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	62	[illegible]	107
Chowchilla Water District	35.9		[illegible]	[illegible]	[illegible]	[illegible]	2781	10941	14997	22711	26037	27500	16949	[illegible]	13001
Total			45	[illegible]	0	[illegible]	7533	24294	29669	50893	65098	60475	26881	0	272865
								Friant-Kern Canal							
Garfield Water District	7.53		0	0	0	0	0	0	0	0	0	47	92	108	247
International Water District	14.9		0	0	0	0	0	137	46	150	278	154	202	18	985
Round Mountain Water District	20.85	21.33	0	0	0	0	0	0	0	0	0	0	27	21	48
Round Mountain Ranch	20.22		6	0	0	0	0	8	7	11	15	15	10	13	85
Consolidated Irrigation District	28.50		0	0	0	0	9551	17949	0	0	0	0	0	0	27500
Last Chance Water Ditch Company	28.50		0	0	0	0	0	15846	6198	0	0	0	0	0	22044
Corcoran Irrigation District	28.50		0	0	0	0	6692	3308	0	0	0	0	0	0	10000
Tulare Lake Basin Water Storage District	28.50 & 95.64		0	0	0	0	0	26107	11445	0	0	0	0	0	37552
Alta Irrigation District	28.50		0	0	0	0	0	20075	1676	0	0	0	0	0	21751
Fresno Irrigation District	28.50		0	0	0	0	0	6000	0	0	0	0	0	0	6000
Kings County Water District	28.50	71.29	0	0	0	0	16818	13137	5050	0	0	0	0	0	35005
Orange Cove Irrigation District	35.87	53.31	980	0	0	0	0	2902	3265	5673	7327	7049	4326	1373	32895
City of Orange Cove	43.44		4	0	0	0	0	13	21	31	38	36	37	23	203
Stone Corral Irrigation District	56.90	64.40	129	0	0	0	4	645	855	1636	1978	1940	668	260	8115
Ivanhoe Irrigation District	65.04	68.13	421	0	0	0	91	1267	1503	2467	3314	3656	2519	1010	16248
Tulare Irrigation District	68.14	71.29	0	0	0	7464	21348	15493	18710	36110	35604	36536	23909	3051	198225
Kaweah-Delta Water Conservation District	69.08	71.29	0	0	0	0	30562	19438	0	0	0	0	0	0	50000
Exeter Irrigation District	72.52	79.24	530	0	0	159	177	3039	3039	4177	4840	4665	3055	1523	25204
Lindsay-Strathmore Irrigation District	85.56		1827	0	0	44	58	2382	3310	4421	4931	5072	4074	2588	c 28707
Lindmore Irrigation District	86.17	91.12	1942	0	0	0	341	5100	5595	8765	10483	10312	6520	2951	52009
Porterville Irrigation District	93.93	98.62	179	0	0	107	962	2515	3377	2763	5306	3543	774	500	19926
Lower Tule Irrigation District	95.67	98.62	0	0	0	1682	33918	48518	40959	44895	47027	54794	20476	19295	311564
Tea Pot Dome	99.35		204	0	0	0	0	246	347	551	643	645	541	407	3564
Saucelito Irrigation District	98.62	107.37	712	0	0	67	901	4322	5532	7212	10881	10588	4631	1956	46802
Cloer Commercial Service District	101.60		0	0	0	0	0	60	0	0	0	0	0	0	60
Terra Bella Irrigation District	102.65		401	0	0	0	0	1035	1181	1796	2108	2160	1583	994	11159
Pixley Irrigation District	102.69		0	0	0	0	2356	5939	3203	6075	9267	9781	4473	3039	44133
Delano-Earlimart Irrigation District	109.48	118.45	2579	65	0	1212	7813	22029	16082	30875	32787	25926	13829	7765	160962
Rag Gulch Water District	117.96		0	0	0	0	238	1849	698	0	0	831	912	430	4958
Southern San Joaquin Municipal Utility District	117.44	127.97	1738	30	0	60	7266	15184	11211	23681	27063	24129	11927	3554	125843
Shafter-Wasco Irrigation District	134.42	137.17	1127	204	0	16	3915	3364	3586	8164	10316	9866	3427	1640	45625
Pacific Gas and Electric Company	150.83		0	972	0	0	0	0	0	0	0	0	0	0	972
Rosedale-Rio Bravo Water Storage District	151.0		0	0	0	1037	2817	5070	839	0	0	0	0	0	9763
Buena Vista Water Storage District	151.80		0	0	0	0	15235	4491	1442	0	0	0	0	0	21168
Total			12779	1471	[illegible]	11843	161063	267468	149058	189353	214206	211745	108012	52519	1379322

c Includes water transported from Watchum's Ditch.

* Data furnished by U. S. Bureau of Reclamation.

TABLE 216

EXPORTATIONS FROM SACRAMENTO-SAN JOAQUIN DELTA

November 1961 through October 1962

Water User	Record in Table No.	Monthly Deliveries in Acre-Feet												Total
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
							CACHE SLOUGH							
City of Vallejo b														
Total acre-feet		896	750	681	658	533	1030	1470	1490	1660	1710	1440	988	13300
Average cubic feet per second		15	12	11	12	9	17	24	25	27	28	24	16	18
Monthly use in percent of seasonal		6.7	5.6	5.1	5.0	4.0	7.7	11.1	11.2	12.5	12.9	10.8	7.4	
							OLD RIVER							
Contra Costa Canal a	65													
Total acre-feet		6139	3781	3731	3120	2930	4368	5464	7738	9096	9900	8015	5108	69390
Average cubic feet per second		103	61	61	56	48	73	89	130	148	161	135	83	96
Monthly use in percent of seasonal		8.8	5.4	5.4	4.5	4.2	6.3	7.9	11.2	13.1	14.3	11.5	7.4	
Delta-Mendota Canal a	66													
Total acre-feet		34570	11770	21110	11170	52720	159600	176700	218300	250900	218900	119400	82950	1358000
Average cubic feet per second		581	191	343	201	857	2682	2874	3669	4080	3560	2007	1349	1876
Monthly use in percent of seasonal		2.5	0.9	1.6	0.8	3.9	11.7	13.0	16.1	18.5	16.1	8.8	6.1	

TABLE 217

EXPORTATIONS FROM PUTAH CREEK

November 1961 through October 1962

Water User	Record in Table No.	Monthly Deliveries in Acre-Feet												Total
		Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	
Putah South Canal a														
Total acre-feet		294	0	129	50	266	8996	19862	23012	23710	19361	13426	2727	111833
Average cubic feet per second		5	0	2	1	4	151	323	387	386	315	226	44	154
Monthly use in percent of seasonal		0.3	0	0.1	0.0	0.2	8.1	17.8	20.6	21.2	17.3	12.0	2.4	

a Data furnished by U. S. Bureau of Reclamation.
b Data furnished by City of Vallejo.

TABLE 218

DAILY MEAN GAGE HEIGHT

BIG SAGE RESERVOIR NEAR ALTURAS

STATION NO	WATER YEAR
A11810	1962

DATE	OCT.	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	7.34	7.23	7.25	7.42	7.56	9.67	12.33	12.14	11.54	10.18	8.85	6.83	1
2	7.34	7.21	7.29	7.42	7.57	9.72	12.35	12.12	11.53	10.12	8.76	6.77	2
3	7.33	7.21	7.30	7.43	7.57	9.78	12.38	12.10	11.52	10.07	8.65	6.75	3
4	7.33	7.21	7.30	7.43	7.57	9.83	12.39	12.07	11.49	10.04	8.59	6.73	4
5	7.32	7.20	7.31	7.44	7.57	9.89	12.41	12.05	11.48	10.01	8.48	6.70	5
6	7.34	7.20	7.31	7.44	7.58	9.94	12.43	12.03	11.45	9.93	8.41	6.68	6
7	7.32	7.20	7.30	7.45	7.61	10.00	12.43	11.99	11.43	9.89	8.32	6.65	7
8	7.29	7.20	7.30	7.46	7.68	10.05	12.43	11.93	11.39	9.86	8.23	6.60	8
9	7.26	7.20	7.30	7.46	8.07	10.11	12.43	11.91	11.36	9.84	8.17	6.57	9
10	7.26	7.21	7.29	7.47	8.49	10.16	12.41	11.86	11.33	9.81	8.11	6.52	10
11	7.26	7.21	7.28	7.48	8.70	10.21	12.42	11.84	11.28	9.80	8.04	6.50	11
12	7.26	7.20	7.29	7.48	8.78	10.27	12.40	11.81	11.25	9.77	7.96	6.46	12
13	7.26	7.19	7.30	7.49	8.83	10.32	12.41	11.79	11.18	9.72	7.94	6.42	13
14	7.27	7.19	7.31	7.50	8.88	10.38	12.38	11.79	11.11	9.69	7.90	6.40	14
15	7.25	7.19	7.32	7.50	8.93	10.47	12.39	11.74	11.04	9.66	7.87	6.37	15
16	7.25	7.18	7.33	7.51	8.98	10.56	12.37	11.71	10.96	9.59	7.84	6.35	16
17	7.24	7.15	7.34	7.52	9.03	10.68	12.37	11.67	10.89	9.55	7.80	6.32	17
18	7.23	7.15	7.35	7.52	9.08	10.83	12.37	11.65	10.83	9.50	7.75	6.31	18
19	7.23	7.15	7.36	7.53	9.13	10.97	12.39	11.66	10.76	9.44	7.71	6.28	19
20	7.23	7.16	7.36	7.54	9.18	11.12	12.36	11.61	10.71	9.41	7.67	6.26	20
21	7.23	7.16	7.36	7.54	9.23	11.26	12.31	11.59	10.69	9.38	7.62	6.23	21
22	7.21	7.16	7.37	7.55	9.28	11.35	12.30	11.59	10.65	9.34	7.55	6.21	22
23	7.21	7.16	7.37	7.55	9.34	11.46	12.30	11.61	10.60	9.30	7.50	6.19	23
24	7.20	7.16	7.38	7.55	9.39	11.58	12.31	11.59	10.55	9.27	7.44	6.17	24
25	7.20	7.19	7.38	7.55	9.45	11.69	12.27	11.58	10.50	9.23	7.38	6.15	25
26	7.20	7.20	7.39	7.55	9.50	11.82	12.25	11.58	10.45	9.17	7.31	6.13	26
27	7.24	7.21	7.39	7.55	9.56	11.95	12.22	11.58	10.39	9.14	7.23	6.12	27
28	7.26	7.20	7.40	7.56	9.61	12.08	12.23	11.57	10.34	9.08	7.16	6.09	28
29	7.24	7.20	7.40	7.56		12.16	12.19	11.55	10.28	9.04	7.07	6.09	29
30	7.23	7.23	7.41	7.56		12.23	12.17	11.55	10.22	8.97	6.98	6.06	30
31	7.22		7.41	7.56		12.27		11.54		8.91	6.90		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.& M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 34 42	120 37 33	SE 7 43N 12E		24.40	2/27/58		OCT 57 - DATE	1957		0.00	LOCAL

Station located at reservoir control structure, 150 ft. N. of Big Sage Dam, 8 mi. NW of Alturas. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 219
DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT KESWICK

STATION NO	WATER YEAR
A21010	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	10.33	9.96	11.28	7.27	7.30	13.26	8.24	12.00	11.87	13.58	13.92	12.95	1
2	10.32	9.93	11.57	7.27	7.30	13.25	8.19	11.87	11.88	13.57	13.92	12.94	2
3	10.35	9.97	8.75	7.30	7.30	13.24	8.22	11.85	11.87	13.56	13.94	12.95	3
4	10.40	9.95	7.88	7.27	7.30	13.25	8.13	11.85	11.88	13.54	13.94	12.98	4
5	10.40	9.95	7.87	7.27	7.27	13.43	8.09	11.85	12.25	13.50	13.95	12.87	5
6	10.39	9.95	7.83	7.26	7.28	13.55	8.09	11.85	12.56	13.54	13.97	12.53	6
7	10.40	9.98	7.83	7.25	7.44	13.41	8.09	11.88	12.51	13.55	13.97	12.21	7
8	10.41	9.97	7.81	7.27	7.40	13.30	8.09	11.88	12.61	13.65	13.95	11.83	8
9	10.40	9.97	7.81	7.27	8.95	12.93	8.10	11.89	12.85	13.62	13.95	11.60	9
10	10.41	9.96	7.83	7.27	10.31	12.42	8.09	11.78	12.85	13.65	13.93	11.63	10
11	10.42	9.96	7.81	7.28	7.56	11.87	8.72	11.52	12.85	13.62	13.94	11.49	11
12	10.40	9.93	7.82	7.28	7.65	11.13	9.17	11.55	12.85	13.65	13.94	11.21	12
13	10.42	9.93	7.82	7.29	11.94	10.31	9.18	11.52	13.12	13.63	13.94	11.21	13
14	10.40	9.96	7.82	7.27	13.62	9.42	9.17	11.54	13.20	13.67	13.95	11.22	14
15	10.41	9.93	7.82	7.25	13.62	8.30	9.17	11.52	13.18	13.82	13.95	11.22	15
16	10.40	9.93	7.82	7.26	13.42	7.22	9.17	11.52	13.20	13.80	13.94	11.22	16
17	10.39	9.96	7.84	7.26	13.32	7.20	9.16	11.52	13.18	13.80	13.94	11.23	17
18	10.40	9.95	7.85	7.26	13.32	7.18	9.16	11.54	13.19	13.80	13.94	11.24	18
19	10.42	9.95	7.97	7.99	13.31	7.18	9.16	11.50	13.18	13.82	13.93	11.23	19
20	10.42	9.95	8.04	9.82	13.31	7.22	9.15	11.52	13.18	13.80	13.95	11.24	20
21	10.37	9.95	8.01	7.97	13.28	7.21	10.18	11.51	13.20	13.82	13.95	11.23	21
22	10.38	9.96	7.40	7.36	13.26	7.27	10.20	11.51	13.20	13.85	13.95	11.11	22
23	10.38	9.97	7.35	7.34	13.26	7.23	10.32	11.49	13.19	13.88	13.93	10.97	23
24	10.38	10.27	7.31	7.30	13.25	7.20	10.71	11.87	13.20	13.89	13.90	11.00	24
25	10.39	10.88	7.26	7.35	13.25	7.20	11.17	11.87	13.20	13.86	13.89	10.99	25
26	10.39	10.42	7.23	7.29	13.24	7.19	11.49	11.85	13.41	13.90	13.91	10.98	26
27	10.38	9.66	7.25	7.26	13.25	7.28	11.51	11.86	13.52	13.90	13.83	10.97	27
28	10.38	9.06	7.25	7.26	13.25	7.65	11.70	11.88	13.53	13.90	13.52	10.98	28
29	10.38	8.75	7.25	7.26		8.07	11.83	11.88	13.53	13.90	13.11	10.96	29
30	10.40	9.73	7.25	7.25		8.25	11.84	11.87	13.54	13.91	12.89	10.94	30
31	10.39		7.26	7.27		8.25		11.87		13.92	12.89		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.& M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 36 10	122 26 35	NW28 32N 5W	186000	47.2	2/28/40	OCT 38 - DATE	OCT 38 - DATE	1938	1939	500.01	USCGS
								1939	1942	495.01	USCGS
								1942		479.81	USCGS

Station located 0.6 mi. below Keswick Dam, 1.5 mi. below Keswick. Flow regulated by Shasta Lake. Records furnished by U.S.G.S. Drainage area, excluding Goose Lake basin, is approximately 6,710 sq. mi.

TABLE 220

DAILY MEAN GAGE HEIGHT

CLEAR CREEK NEAR IGO

STATION NO	WATER YEAR
A36130	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.24	2.36	5.14	2.88	2.94	3.95	04.04	3.34	2.87	2.46	2.22	2.20	1
2	2.24	2.36	4.99	2.87	2.93	3.91	04.03	3.33	2.85	2.46	2.21	2.20	2
3	2.25	2.36	4.07	2.86	2.92	3.87	04.01	3.32	2.84	2.46	2.21	2.19	3
4	2.24	2.37	3.64	2.85	2.90	3.87	03.98	3.28	2.84	2.45	2.25	2.17	4
5	2.24	2.36	3.40	2.84	2.89	5.56	03.98	3.25	2.83	2.43	2.30	2.17	5
6	2.23	2.35	3.24	2.83	2.97	7.36	03.97	3.23	2.81	2.42	2.30	2.17	6
7	2.21	2.34	3.13	2.82	4.05	6.27	03.97	3.22	2.78	2.42	2.30	2.17	7
8	2.23	2.33	3.06	2.81	5.24	5.52	03.97	3.28	2.76	2.42	2.44	2.16	8
9	2.24	2.33	2.98	2.80	6.20	5.11	03.95	3.26	2.74	2.41	2.63	2.15	9
10	2.27	2.34	2.94	2.79	6.02	4.82	03.87	3.24	2.73	2.39	2.54	2.16	10
11	2.34	2.35	2.91	2.78	5.23	4.59	03.81	3.27	2.72	2.39	2.44	2.15	11
12	2.38	2.36	2.88	2.81	5.64	4.40	03.79	3.26	2.71	2.39	2.39	2.14	12
13	2.36	2.36	2.86	2.80	8.05	4.27	03.80	3.22	2.71	2.38	2.34	2.16	13
14	2.33	2.35	2.83	2.77	6.88	4.17	03.80	3.20	2.75	2.37	2.32	2.18	14
15	2.30	2.34	2.83	2.76	7.27	4.15	03.78	3.17	2.77	2.36	2.30	2.19	15
16	2.29	2.34	2.81	2.75	6.64	4.14	03.73	3.13	2.74	2.35	2.27	2.18	16
17	2.27	2.34	2.90	2.74	5.89	4.11	03.68	3.09	2.70	2.33	2.24	2.17	17
18	2.27	2.35	2.94	2.79	5.66	4.03	03.65	3.09	2.66	2.32	2.24	2.14	18
19	2.28	2.37	3.50	3.78	5.37	4.01	03.66	3.06	2.64	2.32	2.24	2.16	19
20	2.29	2.43	4.26	3.95	5.07	4.15	03.60	3.04	2.62	2.30	2.23	2.16	20
21	2.30	2.41	4.16	3.34	4.80	4.07	03.55	3.02	2.58	2.28	2.22	2.17	21
22	2.31	2.43	3.78	3.11	4.58	4.41	03.51	3.00	2.57	2.28	2.22	2.17	22
23	2.33	2.48	3.54	3.15	4.41	4.22	03.49	2.98	2.55	2.28	2.21	2.18	23
24	2.34	3.86	3.38	3.03	4.28	4.13	03.48	2.98	2.54	2.27	2.21	2.17	24
25	2.33	4.14	3.28	2.99	4.16	4.06	03.46	2.98	2.52	2.25	2.21	2.16	25
26	2.34	3.87	3.19	2.97	4.05	4.03	03.42	3.00	2.51	2.25	2.21	2.16	26
27	2.36	3.47	3.12	2.95	3.95	4.04	03.50	2.97	2.50	2.24	2.21	2.18	27
28	2.44	3.11	3.07	2.94	3.94	4.08	03.50	2.94	2.48	2.24	2.21	2.34	28
29	2.41	3.56	3.03	2.95		4.10	03.41	2.95	2.47	2.26	2.20	2.39	29
30	2.38	4.31	3.00	2.96		4.07	03.36	2.92	2.47	2.26	2.20	2.54	30
31	2.36		2.89	2.95		4.05		2.88		2.23	2.20		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 30 50	122 31 20	NE27 31N 6W	24500	13.75	12/21/55	OCT 40 - DATE	OCT 40 - DATE				

Station located at highway bridge on Redding-Igo Road, 1.0 mi. NE of Igo, 8 mi. SW of Redding. Tributary to Sacramento River. Records furnished by U.S.G.S. Drainage area is 228 sq. mi.

TABLE 221

DAILY MEAN GAGE HEIGHT

BATTLE CREEK NEAR COTTONWOOD

STATION NO	WATER YEAR
A47110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	4.01	4.03	7.41	4.08	4.08	4.95	04.42	4.48	4.42	4.09	3.89	3.84	1
2	3.99	4.03	5.33	4.07	4.07	4.54	04.43	4.48	4.42	4.03	3.89	3.83	2
3	3.97	4.00	4.55	4.07	4.07	4.41	04.45	4.54	4.45	4.08	3.90	3.83	3
4	3.97	4.05	4.33	4.02	4.07	4.38	04.44	4.58	4.38	4.04	3.92	3.84	4
5	3.97	4.01	4.20	4.09	4.06	4.95	04.46	4.59	4.34	4.05	3.90	3.84	5
6	3.98	4.03	4.14	4.05	4.09	5.65	04.49	4.59	4.32	4.05	3.90	3.84	6
7	3.97	4.03	4.11	4.05	4.41	4.95	04.51	4.60	4.32	4.05	3.90	3.84	7
8	3.98	4.04	4.11	4.05	4.79	4.70	04.54	4.62	4.32	4.04	3.92	3.84	8
9	3.98	4.04	4.07	4.05	5.40	4.59	04.57	4.72	4.34	4.03	3.92	3.85	9
10	4.02	4.01	4.05	4.05	5.39	4.51	04.48	4.64	4.36	4.02	3.92	3.84	10
11	4.06	4.04	4.04	4.04	4.89	4.48	04.45	4.55	4.36	4.02	3.90	3.81	11
12	4.06	4.03	4.03	4.07	5.22	4.43	04.47	4.49	4.34	4.01	3.87	3.85	12
13	4.04	4.05	4.02	4.05	6.22	4.37	04.53	4.52	4.29	4.00	3.83	3.87	13
14	4.01	4.03	4.02	4.02	5.88	4.36	04.58	4.46	4.35	3.99	3.87	3.87	14
15	4.03	4.05	4.02	4.02	6.38	4.35	04.67	4.44	4.38	3.98	3.86	3.87	15
16	4.00	4.05	4.02	4.04	5.65	4.35	04.63	4.42	4.34	3.96	3.86	3.87	16
17	3.97	4.04	4.03	4.03	5.53	4.33	04.59	4.41	4.32	3.95	3.86	3.87	17
18	3.97	4.05	4.05	4.05	5.35	4.30	04.59	4.44	4.29	3.92	3.86	3.87	18
19	3.97	4.06	5.06	5.13	5.08	4.30	04.63	4.51	4.28	3.94	3.85	3.87	19
20	3.98	4.08	5.60	5.35	4.90	4.31	04.57	4.43	4.28	3.95	3.86	3.87	20
21	4.00	4.08	5.15	4.37	4.76	4.32	04.54	4.38	4.26	3.94	3.84	3.87	21
22	4.02	4.07	4.52	4.17	4.65	4.46	04.54	4.39	4.24	3.93	3.85	3.86	22
23	4.03	4.10	4.34	4.14	4.58	4.44	04.60	4.45	4.22	3.92	3.84	3.86	23
24	4.03	4.14	4.25	4.14	4.52	4.36	04.63	4.43	4.21	3.92	3.83	3.86	24
25	4.03	4.75	4.18	4.13	4.46	4.34	04.60	4.38	4.19	3.91	3.84	3.87	25
26	4.04	4.47	4.15	4.11	4.41	4.35	04.58	4.39	4.16	3.91	3.83	3.84	26
27	4.06	4.25	4.10	4.10	4.37	4.35	04.58	4.39	4.15	3.90	3.84	3.86	27
28	4.07	4.16	4.13	4.09	4.42	4.37	04.83	4.39	4.14	3.91	3.83	3.87	28
29	4.05	4.37	4.10	4.08		4.38	04.61	4.41	4.12	3.91	3.85	3.90	29
30	4.04	4.50	4.07	4.06		4.39	04.56	4.44	4.11	3.90	3.84	3.88	30
31	4.03		4.07	4.07		4.40		4.45		3.89	3.83		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 23 50	123 08 05	NW 6 29N 2W	12800	11.85	2/6/42	OCT 40 - DATE	OCT 40 - DATE	1940		421.47	USGS

Station located 6.3 mi. above mouth, 7.6 mi. E. of Cottonwood. Tributary to Sacramento River. From 50 c.f.s. to 90 c.f.s. bypasses station through Coleman Fish Hatchery. Flow regulated by small power plants and reservoirs above station. Records furnished by U.S.G.S. Drainage area is 362 sq. mi.

TABLE 222

DAILY MEAN GAGE HEIGHT

COTTONWOOD CREEK NEAR COTTONWOOD

STATION NO	WATER YEAR
A03520	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	1.94	1.88	5.05	NR	2.15	NR	03.48	2.37	NR	1.18	NR	NR	1
2	1.96	1.90	5.33	NR	2.15	NR	03.49	2.28	NR	1.15	NR	NR	2
3	1.97	1.93	3.92	NR	2.12	NR	03.41	2.25	NR	1.11	NR	NR	3
4	1.99	1.93	NR	NR	2.10	NR	03.36	2.23	NR	1.08	NR	NR	4
5	1.90	2.06	NR	NR	2.08	NR	03.39	2.17	NR	1.12	NR	NR	5
6	1.89	2.08	NR	NR	2.07	NR	03.45	2.11	NR	1.08	NR	NR	6
7	1.92	2.03	NR	NR	NR	NR	03.39	2.11	NR	1.02	NR	NR	7
8	1.97	2.06	NR	NR	4.12	NR	03.39	2.10	NR	1.02	NR	NR	8
9	2.04	2.08	NR	2.05	5.44	NR	03.38	2.11	NR	1.01	NR	NR	9
10	2.04	2.10	NR	2.05	5.38	4.30	03.23	2.11	NR	1.04	1.08	NR	10
11	2.05	2.05	NR	2.05	5.05	3.84	03.08	2.17	NR	1.03	1.11	0.90	11
12	2.06	1.96	NR	2.05	4.94	3.46	02.99	2.11	NR	NR	1.06	0.88	12
13	1.96	1.92	NR	2.05	7.28	3.21	03.04	2.06	NR	NR	1.05	0.85	13
14	1.87	1.91	NR	2.05	7.23	3.07	03.07	NR	NR	NR	1.02	0.87	14
15	1.86	1.93	NR	2.05	8.89	3.03	03.03	2.08	NR	NR	NR	0.89	15
16	1.85	1.93	NR	2.05	6.84	3.10	02.97	2.07	NR	NR	NR	0.87	16
17	1.81	2.01	NR	2.05	5.82	3.04	02.92	NR	NR	NR	NR	0.87	17
18	1.81	1.87	NR	2.05	5.92	2.95	02.84	NR	NR	NR	NR	0.92	18
19	1.90	1.90	2.67	2.84	5.74	2.88	02.83	NR	NR	NR	NR	1.00	19
20	1.92	1.91	4.48	5.06	4.90	3.04	02.79	NR	NR	NR	NR	1.03	20
21	2.00	1.90	4.01	3.42	4.35	3.04	02.63	NR	NR	NR	NR	0.95	21
22	2.06	1.95	NR	2.75	4.03	3.22	02.54	NR	NR	NR	NR	0.88	22
23	2.05	1.99	NR	2.50	3.82	3.12	02.56	NR	NR	NR	1.04	0.96	23
24	2.08	2.05	NR	NR	3.49	2.98	02.51	NR	NR	NR	NR	1.00	24
25	2.12	3.09	NR	2.38	3.21	2.92	02.45	NR	NR	NR	NR	0.91	25
26	2.12	2.81	NR	2.28	2.94	2.92	02.40	NR	NR	NR	NR	0.91	26
27	1.97	2.62	NR	2.22	NR	3.05	02.43	NR	NR	NR	NR	0.94	27
28	1.94	2.42	NR	2.18	NR	3.22	02.62	NR	1.23	NR	NR	1.07	28
29	1.95	2.52	NR	2.16		3.43	02.55	NR	1.18	NR	NR	1.13	29
30	1.93	2.98	NR	2.15		3.48	02.44	NR	1.18	NR	NR	1.14	30
31	1.90		NR	2.14		3.46		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 23 10	122 14 15	NE 7 29N 3W	52300	15.4	3/1/41	OCT 40 - DATE	SEP 40 - DATE				

Station located 2 mi. E. of Cottonwood, 2.4 mi. above mouth. Tributary to Sacramento River. At times during irrigation season, Cottonwood Creek receives water above station from Sacramento River by way of Anderson-Cottonwood Canal. Records furnished by U.S.G.S. Drainage area is 945 sq. mi.

TABLE 223

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER NEAR RED BLUFF

STATION NO	WATER YEAR
A02780	1962

DATE	OCT.	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	1.95	1.80	8.25	1.07	1.03	4.70	1.90	3.00	2.75	3.41	3.53	3.01	1
2	1.76	1.70	8.98	1.04	1.03	5.60	1.90	2.96	2.73	3.40	3.53	3.01	2
3	1.74	1.72	3.95	1.02	1.01	4.95	1.87	2.94	2.72	3.39	3.56	3.02	3
4	1.75	1.73	2.33	1.03	0.99	4.65	1.80	2.94	2.72	3.37	3.58	3.02	4
5	1.73	1.68	1.90	1.02	0.98	5.68	1.75	2.92	2.80	3.33	3.58	3.00	5
6	1.72	1.69	1.67	1.04	1.00	11.74	1.70	2.91	2.92	3.33	3.58	2.82	6
7	1.71	1.69	1.53	1.06	1.94	8.05	1.70	2.91	3.00	3.32	3.58	2.68	7
8	1.73	1.69	1.43	1.05	3.50	6.32	1.70	2.92	3.00	3.37	3.60	2.45	8
9	1.73	1.69	1.37	1.06	6.48	5.60	1.70	2.96	3.14	3.37	3.62	2.29	9
10	1.76	1.70	1.31	1.06	6.99	4.94	1.61	2.93	3.19	3.36	3.61	2.25	10
11	1.80	1.74	1.28	1.07	5.43	4.45	1.53	2.76	3.18	3.36	3.62	2.26	11
12	1.88	1.71	1.23	1.07	4.33	4.00	1.86	2.72	3.16	3.36	3.60	2.11	12
13	1.86	1.69	1.21	1.06	9.56	3.51	1.89	2.76	3.20	3.35	3.60	2.09	13
14	1.82	1.68	1.20	1.09	10.73	3.10	1.91	2.72	3.39	3.33	3.57	2.09	14
15	1.80	1.68	1.20	1.14	13.20	2.70	1.96	2.73	3.38	3.40	3.57	2.10	15
16	1.76	1.65	1.20	1.15	9.05	2.35	1.93	2.70	3.38	3.43	3.57	2.10	16
17	1.72	1.67	1.22	1.16	7.69	2.10	1.87	2.66	3.36	3.44	3.57	2.11	17
18	1.73	1.68	1.40	1.15	7.06	1.95	1.81	2.66	3.32	3.45	3.57	2.11	18
19	1.74	1.68	3.00	2.96	7.05	1.85	1.84	2.66	3.29	3.46	3.58	2.12	19
20	1.77	1.76	6.43	6.24	5.91	1.90	1.88	2.64	3.28	3.48	3.58	2.12	20
21	1.77	1.70	5.06	3.02	5.44	1.92	1.96	2.62	3.28	3.48	3.57	2.14	21
22	1.80	1.69	2.79	1.58	5.08	2.36	2.17	2.61	3.28	3.50	3.57	2.11	22
23	1.81	1.74	2.04	1.42	4.95	2.42	2.15	2.62	3.28	3.51	3.57	2.01	23
24	1.82	1.83	1.72	1.36	4.71	2.10	2.43	2.71	3.28	3.52	3.58	2.01	24
25	1.82	4.04	1.53	1.31	4.58	1.98	2.53	2.76	3.27	3.53	3.58	2.01	25
26	1.82	3.38	1.41	1.25	4.40	1.90	2.78	2.80	3.30	3.51	3.57	2.00	26
27	1.93	2.46	1.31	1.17	4.31	1.85	2.83	2.79	3.41	3.53	3.56	2.02	27
28	1.93	1.97	1.26	1.11	4.30	1.82	3.08	2.79	3.40	3.54	3.42	2.06	28
29	1.91	2.19	1.20	1.06		1.90	3.13	2.79	3.41	3.54	3.23	2.09	29
30	1.88	2.93	1.15	1.04		1.92	3.03	2.78	3.41	3.54	3.10	2.09	30
31	1.88		1.10	1.02		1.90		2.77		3.54	2.98		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 13 55	122 10 50	SE34 28N 3W	291000	38.9	2/28/40	JAN 1892-DATE	JAN 1892-DATE	1902		253.18	USCGS

Station located at lower end of Iron Canyon, 0.5 mi. below Sevenmile Creek, 4.6 mi. NE of Red Bluff. Records prior to January 1902, at a site 16.2 mi. upstream. Records furnished by U.S.G.S. Drainage area, excluding Goose Lake basin, is approximately 9,300 sq. mi.

TABLE 224

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT RED BLUFF

STATION NO	WATER YEAR
A02710	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	4.71	4.50	11.25	3.71	3.60	NR	04.68	6.10	5.79	6.57	6.77	6.08	1
2	4.44	4.38	13.61	3.66	3.58	NR	04.69	6.04	5.74	6.57	6.76	6.08	2
3	4.40	4.37	7.37	3.60	3.56	8.35	04.67	6.02	5.73	6.56	6.77	6.08	3
4	4.43	4.38	5.26	3.56	3.53	7.98	04.60	6.02	5.72	6.54	6.78	6.09	4
5	4.42	4.34	4.71	3.54	3.52	9.46	04.55	6.01	5.80	6.52	6.79	6.10	5
6	4.42	4.33	4.42	3.53	3.54	15.55	04.50	5.97	5.95	6.52	6.79	5.92	6
7	4.41	4.33	4.23	3.50	4.62	11.83	04.49	6.00	6.04	6.52	6.80	5.72	7
8	4.43	4.33	4.13	3.48	6.62	9.89	04.49	6.02	6.04	6.57	6.82	5.49	8
9	4.45	4.33	4.03	3.48	10.04	9.06	04.49	6.05	6.22	6.58	6.87	5.21	9
10	4.47	4.34	3.96	3.45	10.61	8.31	04.38	6.01	6.26	6.58	6.85	5.18	10
11	4.52	4.37	3.91	3.45	8.90	7.73	04.27	5.82	6.25	6.59	6.85	5.18	11
12	4.59	4.35	3.87	3.47	7.55	7.22	04.67	5.78	6.22	6.58	6.83	5.05	12
13	4.57	4.34	3.86	3.48	13.26	6.67	04.71	5.81	6.30	6.57	6.83	4.92	13
14	4.54	4.33	3.84	3.44	14.65	6.16	04.76	5.75	6.52	6.57	6.79	4.93	14
15	4.52	4.37	3.82	3.40	NR	5.65	04.80	5.76	6.51	6.66	6.79	4.94	15
16	4.46	4.37	3.84	3.40	NR	5.22	04.78	5.71	6.48	6.67	6.79	4.94	16
17	4.39	4.41	3.89	3.40	NR	4.92	04.70	5.67	6.47	6.69	6.78	4.94	17
18	4.39	4.43	4.07	3.43	NR	4.76	04.63	5.68	6.46	6.69	6.78	4.95	18
19	4.42	4.43	6.01	5.45	NR	4.65	04.64	5.68	6.42	6.69	6.79	4.94	19
20	4.44	4.52	9.91	10.06	NR	4.67	04.70	5.65	6.42	6.72	6.80	4.94	20
21	4.45	4.46	8.51	6.00	NR	4.72	04.81	5.62	6.40	6.72	6.78	4.96	21
22	4.47	4.47	5.84	4.36	NR	5.23	05.09	5.60	6.38	6.72	6.77	4.96	22
23	4.49	4.55	4.89	4.08	NR	5.39	05.06	5.60	6.37	6.75	6.77	4.89	23
24	4.48	4.66	4.49	3.99	NR	4.93	05.38	5.74	6.37	6.76	6.79	4.82	24
25	4.50	7.20	4.27	3.90	NR	4.77	05.51	5.80	6.36	6.76	6.80	4.81	25
26	4.55	6.55	4.10	3.83	NR	4.67	05.87	5.84	6.42	6.74	6.78	4.78	26
27	4.66	5.38	3.97	3.75	NR	4.65	05.92	5.82	6.56	6.77	6.77	4.78	27
28	4.63	4.75	3.91	3.67	NR	4.60	06.22	5.84	6.55	6.77	6.65	4.84	28
29	4.63	5.14	3.83	3.63		4.71	06.27	5.83	6.54	6.77	6.40	4.91	29
30	4.61	5.99	3.78	3.63		4.72	06.14	5.83	6.56	6.77	6.20	4.90	30
31	4.60		3.74	3.59		4.70		5.82		6.77	6.07		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-25-61	1630	8.68	12-20-61	0430	11.48	2- 7-62	2300	6.39	2-14-62	0030	17.76
11-30-61	0045	6.48	12-21-61	0400	10.70	2- 9-62	2000	11.97	2-15-62	0900 E	19.16 E
12- 1-61	2230	18.67	1-20-62	0715	12.03	2-11-62	0030	10.50	3- 6-62	0745	18.15

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 10 43	122 13 45	SW20 27N 3W		32.2	2/28/40		1878-DATE		1957	236.89	USCGS
								1957		236.60	USCGS

Station located at E. end of U. S. Highway 99E bridge, immediately E. of Red Bluff. Results of measurements listed in supplementary table in report. Records furnished by U.S.G.S. 7/2/62 to 9/30/62.

TABLE 225

DAILY MEAN GAGE HEIGHT

ANTELOPE CREEK NEAR RED BLUFF

STATION NO	WATER YEAR
A45110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.86	2.90	7.44	3.08	3.12	3.60	03.52	3.68	3.43	2.84	2.72	2.71	1
2	2.85	2.90	6.30	3.06	3.10	3.68	03.53	3.71	3.43	2.83	2.72	2.70	2
3	2.85	2.90	4.43	3.05	3.09	3.60	03.52	3.76	3.42	2.82	2.73	2.71	3
4	2.81	2.90	3.78	3.03	3.07	3.54	03.51	3.81	3.37	2.81	2.74	2.71	4
5	2.85	2.89	3.53	3.02	3.06	4.55	03.52	3.85	3.31	2.80	2.76	2.72	5
6	2.86	2.89	3.36	3.01	3.09	6.44	03.52	3.84	3.28	2.80	2.76	2.72	6
7	2.86	2.88	3.25	3.00	3.85	5.15	03.55	3.83	3.27	2.79	2.75	2.72	7
8	2.86	2.89	3.18	3.00	4.36	4.61	03.59	3.87	3.26	2.79	2.75	2.72	8
9	2.87	2.89	3.13	2.99	6.23	4.31	03.63	4.01	3.24	2.79	2.77	2.71	9
10	2.88	2.89	3.09	2.99	5.51	4.11	03.60	3.90	3.23	2.79	2.77	2.72	10
11	2.90	2.90	3.07	2.98	4.79	3.99	03.56	3.81	3.21	2.79	2.75	2.73	11
12	2.92	2.90	3.05	3.00	6.22	3.86	03.57	3.76	3.18	2.79	2.73	2.74	12
13	2.91	2.90	3.04	3.00	8.55	3.75	03.64	3.80	3.18	2.79	2.73	2.74	13
14	2.89	2.90	3.03	2.97	7.19	3.67	03.70	3.67	3.28	2.78	2.72	2.74	14
15	2.88	2.89	3.01	2.97	8.05	3.62	03.80	3.62	3.23	2.77	2.72	2.74	15
16	2.88	2.90	3.01	2.97	5.95	3.57	03.78	3.58	3.17	2.76	2.71	2.73	16
17	2.88	2.90	3.02	2.97	5.18	3.52	03.76	3.55	3.12	2.75	2.71	2.72	17
18	2.88	2.90	3.07	3.00	4.97	3.47	03.75	3.56	3.08	2.75	2.71	2.72	18
19	2.89	2.91	3.48	4.76	4.92	3.44	03.88	3.55	3.04	2.75	2.71	2.73	19
20	2.90	2.96	5.73	5.36	4.56	3.44	03.80	3.51	3.01	2.75	2.71	2.74	20
21	2.92	2.95	5.77	4.16	4.32	3.45	03.71	3.47	2.99	2.74	2.70	2.74	21
22	2.92	2.94	4.29	3.69	4.11	3.90	03.66	3.48	2.96	2.74	2.70	2.74	22
23	2.92	2.94	3.85	3.50	3.96	3.89	03.72	3.52	2.94	2.74	2.70	2.74	23
24	2.97	3.04	3.61	3.41	3.87	3.74	03.77	3.49	2.93	2.74	2.70	2.74	24
25	2.91	4.30	3.47	3.35	3.76	3.66	03.80	3.45	2.90	2.74	2.70	2.74	25
26	2.94	3.89	3.36	3.30	3.65	3.60	03.77	3.48	2.89	2.73	2.70	2.74	26
27	2.87	3.29	3.28	3.26	3.55	3.56	03.80	3.46	2.88	2.73	2.70	2.74	27
28	2.94	3.09	3.23	3.22	3.53	3.55	NR	3.42	2.87	2.73	2.70	2.79	28
29	2.90	3.91	3.19	3.18		3.53	03.86	3.43	2.86	2.73	2.71	2.80	29
30	2.90	4.82	3.15	3.16		3.53	03.74	3.44	2.85	2.72	2.72	2.78	30
31	2.90		3.12	3.14		3.52		3.44		2.72	2.71		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 12 10	122 07 05		11500	12.43	2/22/56	OCT 40 - DATE	OCT 40 - DATE				

Station located 1.8 mi. above diversion dam of Los Molinos Mutual Water Co., 6.5 mi. E. of Red Bluff. Tributary to Sacramento River. Small diversion above station during Oct. to June each year. Records furnished by U.S.G.S. Drainage area is 124 sq. mi.

TABLE 226

DAILY MEAN GAGE HEIGHT

MILL CREEK NEAR LOS MOLINOS

STATION NO	WATER YEAR
A44110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	1.23	1.27	5.42	1.44	NR	1.74	02.11	NR	2.38	1.66	1.27	1.17	1
2	1.22	1.27	4.48	1.44	NR	1.74	02.17	NR	2.44	1.64	1.27	1.17	2
3	1.22	1.26	2.45	1.43	NR	1.70	02.18	2.67	2.47	1.61	1.27	1.17	3
4	1.22	1.26	1.85	NR	NR	1.67	02.29	2.77	2.49	1.60	1.31	1.17	4
5	1.22	1.25	1.64	NR	NR	2.29	NR	2.76	2.17	1.58	1.29	1.17	5
6	1.22	1.24	1.55	NR	1.57	4.55	NR	2.77	2.17	1.57	1.27	1.17	6
7	1.22	1.24	1.52	NR	2.17	2.94	NR	2.75	2.19	1.55	1.27	1.17	7
8	1.22	1.25	1.50	NR	2.69	2.43	NR	2.81	2.20	1.53	1.27	1.17	8
9	1.22	1.24	1.47	NR	5.09	2.21	NR	2.89	2.25	1.52	1.28	1.16	9
10	1.23	1.25	1.45	NR	4.91	2.03	NR	2.64	2.29	1.51	1.28	1.16	10
11	1.27	1.25	1.42	NR	3.71	1.96	NR	2.49	2.24	1.50	1.26	1.16	11
12	1.28	1.25	1.41	NR	4.69	1.84	NR	2.45	2.20	1.49	1.25	1.17	12
13	1.25	1.24	1.41	NR	6.11	1.77	NR	2.42	2.17	1.47	1.24	1.16	13
14	1.24	1.24	1.40	NR	5.64	1.73	NR	2.24	2.17	1.46	1.23	1.16	14
15	1.23	1.24	1.39	NR	5.99	1.70	NR	2.17	2.18	1.44	1.22	1.16	15
16	1.23	1.24	1.38	NR	4.32	1.68	NR	2.19	2.13	1.43	1.22	1.15	16
17	1.23	1.23	1.39	NR	3.41	1.64	NR	2.20	2.12	1.41	1.22	1.15	17
18	1.23	1.23	1.42	NR	3.10	1.60	NR	2.29	2.11	1.41	1.22	1.15	18
19	1.23	1.25	1.65	NR	2.85	1.59	NR	2.26	2.06	1.39	1.22	1.16	19
20	1.24	1.28	2.84	NR	2.51	1.61	NR	2.14	2.05	1.38	1.21	1.17	20
21	1.27	1.26	2.69	NR	2.28	1.62	NR	2.06	2.01	1.36	1.20	1.17	21
22	1.26	1.26	2.07	NR	2.10	1.98	NR	2.16	1.99	1.35	1.20	1.16	22
23	1.25	1.29	1.80	NR	2.01	1.84	NR	2.31	1.95	1.34	1.20	1.16	23
24	1.25	1.37	1.68	NR	1.94	1.74	NR	2.15	1.89	1.33	1.19	1.15	24
25	1.25	1.88	1.60	NR	1.86	1.70	NR	2.05	1.84	1.32	1.19	1.15	25
26	1.27	1.79	1.55	NR	1.76	1.73	NR	2.08	1.81	1.32	1.19	1.15	26
27	1.30	1.54	1.52	NR	1.69	1.77	NR	1.99	1.77	1.30	1.19	1.17	27
28	1.38	1.40	1.51	NR	1.71	1.87	NR	2.14	1.73	1.30	1.18	1.21	28
29	1.28	2.13	1.49	NR		1.94	NR	2.25	1.70	1.29	1.19	1.29	29
30	1.27	2.92	1.47	NR		2.02	NR	2.36	1.68	1.29	1.18	1.21	30
31	1.26		1.45	NR		2.04		2.43		1.28	1.18		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 03 17	122 01 23	NW 6 25N 1W	23000	23.4	12/11/37	OCT 28 - DATE	OCT 28 - DATE				

Station located 5.5 mi. above mouth, 4.5 mi. NE of Los Molinos. Tributary to Sacramento River. Records furnished by U.S.G.S. Drainage area is 134 sq. mi.

TABLE 227

DAILY MEAN GAGE HEIGHT

MILL CREEK NEAR MOUTH

STATION NO	WATER YEAR
A04420	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	3.77	8.12	4.60	4.59	4.98	5.23	5.14	5.11	4.09	NR	NR	1
2	NR	3.76	7.43	4.57	4.61	5.04	5.20	5.23	5.18	4.03	NR	NR	2
3	NR	3.77	5.74	4.57	4.61	4.97	5.11	5.43	5.22	3.97	NR	NR	3
4	NR	3.76	5.16	4.56	4.62	4.93	5.14	5.53	5.06	3.92	NR	NR	4
5	NR	3.76	4.89	4.54	4.62	5.29	5.30	5.55	4.94	3.90	NR	NR	5
6	NR	3.76	4.75	4.53	4.66	7.44	5.39	5.53	4.91	3.89	NR	NR	6
7	NR	3.77	4.64	4.55	5.23	6.20	5.48	5.49	4.91	3.88	NR	NR	7
8	NR	3.76	4.61	4.59	5.70	5.68	5.58	5.54	4.92	3.87	NR	NR	8
9	NR	3.75	4.58	4.63	7.63	5.48	5.62	5.64	4.96	3.86	NR	NR	9
10	NR	3.76	4.54	4.62	7.80	5.33	5.40	5.45	5.03	3.85	NR	NR	10
11	NR	3.75	4.51	4.59	6.62	5.25	5.30	5.31	4.97	3.86	NR	NR	11
12	NR	3.75	4.49	4.59	7.32	5.14	5.35E	5.24	4.93	3.86	NR	NR	12
13	NR	3.83	4.48	4.58	8.88	5.05	5.50E	5.23	4.89	3.85	NR	NR	13
14	NR	3.89	4.49	4.53	8.00	5.01	5.70E	5.06	4.89	3.85	NR	NR	14
15	NR	3.99	4.48	4.51	9.04	4.96	5.75E	4.97	4.88	3.86	NR	NR	15
16	NR	4.19	4.46	4.49	7.39	4.95	5.71E	4.96	4.84	3.84	NR	NR	16
17	NR	4.18	4.50	4.47	6.55	4.90	5.60E	4.97	4.82	3.84	NR	NR	17
18	NR	4.18	4.55	4.47	6.24	4.87	5.56E	5.03	4.79	3.84	NR	NR	18
19	NR	4.17	4.80	5.69	6.08	4.85	5.56E	5.04	4.73	3.84	NR	NR	19
20	NR	4.22	5.94	6.40	5.78	4.88	5.40E	4.92	4.69	3.84	NR	NR	20
21	NR	4.27	5.86	5.25	5.58	4.90	5.24	4.83	4.64	3.83	NR	NR	21
22	NR	4.24	5.36	4.81	5.40	5.20	5.28	4.90	4.61	3.83	NR	NR	22
23	NR	4.27	5.06	4.70	5.30	5.12	5.43	5.04	4.58	3.83	NR	NR	23
24	NR	4.34	4.90	4.70	5.22	5.00	5.55	4.96	4.54	3.82	NR	NR	24
25	NR	4.97	4.81	4.69	5.12	4.97	5.55	4.83	4.46	3.82	NR	NR	25
26	NR	5.03	4.75	4.65	5.04	4.99	5.48	4.80	4.40	3.82	NR	NR	26
27	NR	4.77	4.69	4.61	4.95	5.04	5.46	4.78	4.30	3.81	NR	NR	27
28	3.78	4.56	4.66	4.60	4.95	5.11	5.84	4.84	4.23	3.82	NR	NR	28
29	3.83	5.26	4.64	4.60		5.09	5.49	4.98	4.17	3.82	NR	NR	29
30	3.82	6.02	4.62	4.60		5.16	5.21	5.07	4.12	3.83	NR	NR	30
31	3.81		4.61	4.60		5.17		5.13		3.83	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-30-61	0700	6.97	1-19-62	1645	7.57	2-15-62	0330	11.03			
12- 1-61	1645	10.00	2- 9-62	2245	8.53	3- 6-62	0215	8.45			
12- 2-61	0400	9.35	2-12-62	2200	9.56						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 02 35	122 06 05	NW 9 25N 2W				MAY 47-DEC 48 APR 49-DEC 57	MAY 47-DEC 48 APR 49-DATE			224.31	USED

Station located approx. 0.1 mi. below U. S. Highway 99E bridge, 1.5 Mi. N. of Los Molinos. Tributary to Sacramento River. Flow affected by upstream regulation and diversion. Results of measurements listed in supplementary table in report.

TABLE 228

DAILY MEAN GAGE HEIGHT

THOMES CREEK AT PASKENTA

STATION NO	WATER YEAR
A32120	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	3.57	3.55	4.94	4.10	4.32	4.40	5.68	4.67	4.38	3.87	3.50	3.46	1
2	3.57	3.55	4.49	4.09	4.31	4.36	5.69	4.70	4.39	3.85	3.49	3.46	2
3	NR	3.54	4.22	4.09	4.28	4.32	5.66	4.74	4.39	3.83	3.49	3.46	3
4	NR	3.53	4.08	4.10	4.24	4.30	5.77	4.76	4.35	3.82	3.50	3.46	4
5	3.53	3.52	4.03	4.07	4.21	4.90	5.85	4.70	4.31	3.80	3.52	3.46	5
6	3.52	3.52	4.03	4.06	4.26	5.06	5.84	4.72	4.29	3.78	3.53	3.47	6
7	3.50	3.51	3.99	4.16	4.76	4.82	5.89	4.68	4.28	3.76	3.54	3.47	7
8	3.49	3.51	3.97	4.17	5.15	4.63	5.91	4.70	4.27	3.75	3.61	3.48	8
9	3.49	3.51	3.95	4.17	5.59	4.62	5.83	4.68	4.28	3.74	4.03	3.46	9
10	3.50	3.51	3.93	4.14	5.57	4.56	5.54	4.63	4.28	3.73	3.81	3.46	10
11	3.52	3.52	3.89	4.09	5.18	4.51	5.41	4.59	4.27	3.71	3.73	3.46	11
12	3.54	3.51	3.87	4.07	5.02	4.45	5.52	4.54	4.24	3.70	3.68	3.47	12
13	3.54	3.51	3.85	4.06	5.72	4.44	5.61	4.52	4.23	3.72	3.63	3.48	13
14	3.53	3.51	3.84	4.00	5.51	4.45	5.60	4.50	4.22	3.70	3.60	3.48	14
15	3.52	3.52	3.83	3.98	5.74	4.45	5.48	4.49	4.24	3.68	3.59	3.48	15
16	3.50	3.52	3.81	3.96	5.23	4.47	5.32	4.45	4.19	3.66	3.56	3.47	16
17	3.48	3.52	3.81	3.95	4.96	4.50	5.23	4.43	4.17	3.65	3.54	3.46	17
18	3.47	3.52	3.87	3.95	4.91	4.47	5.17	4.46	4.15	3.64	3.54	3.46	18
19	3.48	3.53	4.00	4.18	4.76	4.53	5.12	4.46	4.13	3.64	3.53	3.47	19
20	3.48	3.60	5.31	4.66	4.68	4.60	4.97	4.42	4.12	3.63	3.52	3.46	20
21	3.48	3.58	5.33	4.30	4.58	4.58	4.89	4.40	4.09	3.61	3.52	3.46	21
22	3.48	3.58	4.60	4.30	4.53	4.63	4.88	4.40	4.07	3.59	3.52	3.45	22
23	3.48	3.59	4.41	4.17	4.53	4.56	4.93	4.41	4.05	3.58	3.51	3.44	23
24	3.49	3.93	4.36	4.06	4.51	4.53	4.96	4.39	4.03	3.56	3.50	3.44	24
25	3.52	4.56	4.31	4.08	4.45	4.55	4.89	4.37	3.99	3.56	3.49	3.44	25
26	3.53	4.28	4.24	4.08	4.41	4.85	4.83	4.37	3.96	3.54	3.48	3.44	26
27	3.53	4.16	4.19	4.11	4.34	5.08	4.87	4.37	3.94	3.53	3.47	3.48	27
28	3.54	4.00	4.16	4.13	4.39	5.38	4.96	4.37	3.92	3.53	3.47	3.53	28
29	3.62	4.05	4.15	4.19		5.61	4.79	4.38	3.90	3.53	3.47	3.52	29
30	3.60	4.36	4.14	4.28		5.65	4.72	4.41	3.88	3.52	3.47	3.53	30
31	3.56		4.12	4.32		5.63		4.39		3.51	3.46		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 52 55	122 33 05	NW 4 23N 6W		12.14	12/21/55	OCT 20-DATE	OCT 20-DATE				

Station located 0.3 mi. above highway bridge at Paskenta. Tributary to Sacramento River. Records furnished by U.S.G.S. Drainage area is 188 sq. mi.

TABLE 229
DAILY MEAN GAGE HEIGHT

DEER CREEK NEAR VINA

STATION NO	WATER YEAR
A43110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.39	2.44	6.11	2.59	2.66	3.08	03.61	3.59	2.97	2.58	2.43	2.38	1
2	2.38	2.44	5.36	2.58	2.66	3.12	03.64	3.60	2.96	2.56	2.43	2.38	2
3	2.39	2.44	3.75	2.57	2.65	3.06	03.66	3.64	2.96	2.56	2.43	2.39	3
4	2.39	2.43	3.16	2.56	2.65	3.02	03.72	3.67	2.95	2.55	2.46	2.39	4
5	2.39	2.43	2.92	2.55	2.64	3.79	03.82	3.68	2.91	2.54	2.46	2.39	5
6	2.39	2.42	2.81	2.55	2.66	5.94	03.87	3.66	2.88	2.54	2.45	2.39	6
7	2.39	2.43	2.73	2.56	3.20	4.57	03.94	3.63	2.86	2.53	2.44	2.39	7
8	2.39	2.43	2.68	2.57	3.95	4.06	04.02	3.63	2.84	2.53	2.45	2.38	8
9	2.40	2.43	2.64	2.58	6.12	3.84	04.07	3.66	2.83	2.52	2.47	2.38	9
10	2.41	2.43	2.61	2.59	6.04	3.65	03.95	3.56	2.83	2.52	2.48	2.38	10
11	2.43	2.44	2.58	2.57	4.77	3.53	03.88	3.47	2.81	2.52	2.45	2.38	11
12	2.46	2.43	2.57	2.57	5.31	3.39	03.90	3.43	2.79	2.51	2.44	2.39	12
13	2.43	2.43	2.57	2.57	7.42	3.29	04.00	3.41	2.78	2.51	2.43	2.38	13
14	2.42	2.43	2.56	2.52	6.65	3.24	04.07	3.34	2.85	2.50	2.42	2.38	14
15	2.41	2.43	2.55	2.53	7.39	3.18	04.17	3.29	2.90	2.49	2.41	2.38	15
16	2.41	2.43	2.54	2.53	5.92	3.15	04.08	3.27	2.83	2.49	2.40	2.38	16
17	2.41	2.42	2.60	2.51	4.90	3.11	03.97	3.22	2.78	2.49	2.40	2.38	17
18	2.41	2.43	2.62	2.53	4.53	3.07	03.92	3.20	2.74	2.48	2.41	2.38	18
19	2.41	2.44	2.73	3.49	4.23	3.07	03.95	3.18	2.72	2.48	2.40	2.37	19
20	2.42	2.48	3.22	4.25	3.95	3.09	03.81	3.15	2.69	2.47	2.40	2.38	20
21	2.44	2.47	3.27	3.23	3.73	3.08	03.69	3.11	2.67	2.47	2.40	2.38	21
22	2.44	2.47	3.08	2.88	3.56	3.62	03.69	3.09	2.66	2.46	2.40	2.38	22
23	2.43	2.51	2.92	2.79	3.46	3.44	03.75	3.09	2.65	2.46	2.40	2.38	23
24	2.43	2.57	2.84	2.80	3.37	3.34	03.82	3.07	2.64	2.46	2.39	2.38	24
25	2.43	2.99	2.78	2.77	3.27	3.29	03.81	3.07	2.62	2.45	2.39	2.38	25
26	2.44	2.99	2.73	2.72	3.17	3.30	03.75	3.11	2.61	2.47	2.39	2.38	26
27	2.47	2.71	2.69	2.69	3.09	3.33	03.78	3.08	2.60	2.46	2.39	2.39	27
28	2.56	2.59	2.66	2.68	3.09	3.42	04.11	3.02	2.60	2.45	2.39	2.43	28
29	2.48	3.21	2.64	2.67		3.47	03.79	3.02	2.59	2.45	2.39	2.49	29
30	2.44	4.00	2.62	2.67		3.52	03.65	3.01	2.58	2.44	2.39	2.45	30
31	2.44		2.60	2.66		3.55		2.99		2.44	2.38		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 00 50	121 56 50	NE23 25N 1W	23800	19.2	12/10/37	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE				

Station located 0.5 mi. above concrete diversion dam, 7.9 mi. NE of Vina. Tributary to Sacramento River. Records furnished by U.S.G.S. Drainage area is 200 sq. mi.

TABLE 230

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT VINA BRIDGE

STATION NO	WATER YEAR
A02700	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	66.91	66.75	73.44	66.19	66.15	69.83	67.47	68.09	67.68	68.18	68.34	67.77	1
2	66.63	66.60	78.33	66.16	66.16	70.97	67.51	68.07	67.65	68.19	68.33	67.80	2
3	66.59	66.60	71.06	66.13	66.15	70.40	67.49	68.09	67.63	68.19	68.32	67.79	3
4	66.58	66.59	68.24	66.10	66.14	69.92	67.45	68.09	67.63	68.19	68.33	67.80	4
5	66.61	66.55	67.36	66.11	66.13	70.78	67.46	68.09	67.62	68.15	68.33	67.80	5
6	66.60	66.56	66.95	66.08	66.13	79.50	67.42	68.05	67.76	68.14	68.36	67.70	6
7	66.58	66.55	66.72	66.06	66.69	75.73	67.43	68.06	67.86	68.16	68.38	67.56	7
8	66.58	66.55	66.58	66.05	68.79	72.84	67.42	68.06	67.88	68.18	68.40	67.36	8
9	66.61	66.54	66.49	66.05	73.09	71.63	67.44	68.09	67.96	68.22	68.44	67.19	9
10	66.62	66.55	66.39	66.06	74.34	70.76	67.28	68.08	68.06	68.19	68.45	67.10	10
11	66.66	66.58	66.34	66.03	72.44	70.11	67.07	67.90	68.05	68.21	68.44	67.08	11
12	66.71	66.58	66.29	66.06	71.45	69.60	67.22	67.80	68.01	68.21	68.41	66.99	12
13	66.72	66.55	66.29	66.05	77.44	69.04	67.38	67.82	68.01	68.19	68.41	66.89	13
14	66.70	66.56	66.26	66.03	79.39	68.58	67.47	67.76	68.21	68.17	68.35	66.90	14
15	66.67	66.55	66.25	65.97	82.36	68.16	67.51	67.72	68.24	68.22	68.35	66.90	15
16	66.64	66.55	66.22	65.98	77.50	67.77	67.46	67.70	68.25	68.26	68.36	66.90	16
17	66.60	66.56	66.24	65.98	74.70	67.43	67.35	67.66	68.22	68.27	68.36	66.90	17
18	66.59	66.59	66.35	65.98	73.60	67.30	67.26	67.63	68.20	68.27	68.36	66.90	18
19	66.60	66.58	66.84	66.77	74.29	67.16	67.25	67.63	68.15	68.26	68.37	66.90	19
20	66.62	66.66	71.53	72.70	72.18	67.11	67.28	67.60	68.13	68.27	68.36	66.91	20
21	66.64	66.63	71.83	69.05	71.39	67.20	67.15	67.56	68.11	68.28	68.36	66.92	21
22	66.65	66.63	69.83	67.13	70.82	67.39	67.40	67.55	68.10	68.27	68.37	66.91	22
23	66.66	66.63	67.55	66.64	70.44	67.91	67.41	67.55	68.09	68.29	68.36	66.85	23
24	66.65	66.68	67.07	66.53	70.23	67.42	67.54	67.59	68.07	68.30	68.37	66.82	24
25	66.65	68.25	66.76	66.43	70.00	67.26	67.71	67.68	68.06	68.31	68.37	66.79	25
26	66.70	69.13	66.60	66.38	69.76	67.18	67.88	67.71	68.04	68.29	68.36	66.79	26
27	66.79	67.80	66.47	66.29	69.62	67.21	67.99	67.70	68.19	68.32	68.37	66.81	27
28	66.81	67.03	66.38	66.24	69.58	67.26	68.28	67.69	68.19	68.33	68.28	66.85	28
29	66.80	67.03	66.30	66.21		67.38	68.33	67.68	68.17	68.32	68.10	66.88	29
30	66.76	68.66	66.25	66.18		67.47	68.17	67.69	68.17	68.34	67.93	66.88	30
31	66.77		66.22	66.16		67.47		67.69		68.33	67.82		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-25-61	2300	70.30	12-21-61	0700	73.48	2-14-62	0530	80.56	2-19-62	0330	75.48
12- 2-61	0630	81.60	1-20-62	1300	74.04	2-15-62	0815	83.20	3- 2-62	1100	71.66
12-20-61	1100	73.43	2-10-62	0200	75.43	2-17-62	0730	75.66	3- 6-62	1545	81.08

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	APR 45 - DATE	APR 45 - DATE	1945 1945		100.00 97.15	USED USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.

TABLE 231
DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT HAMILTON CITY

STATION NO	WATER YEAR
A02630	1962

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	27.99	27.85	32.34	27.56	27.47	30.77	28.86	28.59	28.32	28.72	28.78	28.39	1
2	27.78	27.71	38.52	27.53	27.48	31.69	28.87	28.57	28.29	28.72	28.78	28.41	2
3	27.70	27.72	32.50	27.50	27.47	31.43	28.87	28.54	28.25	28.70	28.80	28.42	3
4	27.66	27.72	29.74	27.47	27.45	30.95	28.81	28.55	28.26	28.70	28.82	28.45	4
5	27.69	27.69	28.78	27.46	27.44	31.08	28.76	28.54	28.23	28.65	28.81	28.48	5
6	27.68	27.68	28.35	27.45	27.44	38.52	28.69	28.48	28.33	28.61	28.79	28.50	6
7	27.67	27.68	28.11	27.44	27.66	36.80	28.64	28.49	28.41	28.63	28.79	28.40	7
8	27.65	27.69	27.96	27.39	29.36	33.79	28.59	28.51	28.45	28.64	28.81	28.31	8
9	27.67	27.69	27.87	27.41	32.62	32.57	28.59	28.55	28.48	28.70	28.84	28.19	9
10	27.67	27.68	27.79	27.37	34.65	31.86	28.41	28.58	28.60	28.67	28.87	28.08	10
11	27.72	27.70	27.72	27.38	33.11	31.28	28.12	28.46	28.63	28.67	28.87	28.08	11
12	27.80	27.71	27.66	27.38	32.00	30.77	28.03	28.34	28.59	28.65	28.86	28.05	12
13	27.81	27.69	27.65	27.38	36.36	30.32	28.09	28.36	28.57	28.66	28.86	27.92	13
14	27.80	27.69	27.63	27.36	39.23	29.92	28.18	28.34	28.70	28.65	28.84	27.92	14
15	27.76	27.67	27.61	27.32	41.74	29.56	28.21	28.29	28.76	28.68	28.83	27.93	15
16	27.72	27.67	27.58	27.31	38.84	29.21	28.20	28.26	28.77	28.76	28.84	27.91	16
17	27.68	27.67	27.60	27.30	35.12	28.91	28.01	28.22	28.77	28.76	28.84	27.93	17
18	27.65	27.70	27.67	27.31	33.84	28.79	27.86	28.19	28.76	28.73	28.83	28.00	18
19	27.66	27.70	27.83	27.47	34.92	28.65	27.83	28.20	28.74	28.71	28.84	28.03	19
20	27.67	27.77	31.32	32.32	33.00	28.60	27.86	28.17	28.71	28.74	28.84	28.01	20
21	27.72	27.81	32.40	30.51	32.23	28.64	27.73	28.15	28.67	28.76	28.85	28.01	21
22	27.71	27.80	30.15	28.72	31.76	28.70	27.90	28.11	28.63	28.76	28.84	28.04	22
23	27.73	27.81	28.95	28.02	31.44	29.26	27.95	28.12	28.61	28.75	28.84	27.99	23
24	27.72	27.89	28.43	27.87	31.26	28.90	28.02	28.15	28.60	28.75	28.82	27.95	24
25	27.72	28.77	28.16	27.78	31.06	28.71	28.18	28.26	28.60	28.75	28.84	27.94	25
26	27.75	30.28	28.00	27.71	30.82	28.63	28.32	28.28	28.58	28.70	28.84	27.91	26
27	27.84	29.20	27.86	27.62	30.68	28.64	28.46	28.29	28.67	28.73	28.84	27.92	27
28	27.86	28.49	27.75	27.57	30.61	28.66	28.66	28.29	28.72	28.76	28.79	27.97	28
29	27.88	28.31	27.68	27.52		28.74	28.85	28.28	28.71	28.76	28.64	28.01	29
30	27.86	29.58	27.63	27.51		28.84	28.74	28.33	28.71	28.77	28.52	28.05	30
31	27.85		27.59	27.50		28.86		28.35		28.78	28.45		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 2-61	1000 E	40.60 E	2-10-62	0615	35.26	2-19-62	0630	35.62			
12-21-61	1030	33.37	2-14-62	1000	39.88	3- 6-62	2000	40.39			
1-20-62	1700	33.76	2-15-62	1800	42.63						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000E	22.6	2/28/40	APR 45 - DATE	27 - DATE	1927	1945	127.9	USED
								1945		100.00	USED
								1945		96.5	USCGS

Station located at Oianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

TABLE 232

DAILY MEAN GAGE HEIGHT

STONY CREEK NEAR HAMILTON CITY

STATION NO	WATER YEAR
A03120	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	NF	NF	NF	NF	5.75	7.12	4.63	3.95	NF	NF	NF	1
2	NF	NF	6.63	NF	NF	5.73	7.16	4.42	3.86	NF	NF	NF	2
3	NF	NF	5.43	NF	NF	5.68	7.10	4.28	3.85	NF	NF	NF	3
4	NF	NF	4.82	NF	NF	5.64	7.01	4.17	3.73	NF	NF	NF	4
5	NF	NF	4.45	NF	NF	5.98	6.98	4.06	3.52	NF	NF	NF	5
6	NF	NF	4.29	NF	NF	10.98	6.77	4.09	NF	NF	NF	NF	6
7	NF	NF	4.11	NF	NF	10.80	6.63	4.24	NF	NF	NF	NF	7
8	NF	NF	4.00	NF	4.21	8.99	6.66	4.26	NF	NF	NF	NF	8
9	NF	NF	3.82	NF	6.10	8.22	6.60	4.20	NF	NF	NF	NF	9
10	NF	NF	NF	NF	6.80	7.71	6.49	4.26	NF	NF	NF	NF	10
11	NF	NF	NF	NF	6.68	7.45	6.30	4.22	NF	NF	NF	NF	11
12	NF	NF	NF	NF	6.46	6.98	6.17	4.12	NF	NF	NF	NF	12
13	NF	NF	NF	NF	8.31	6.85	6.19	4.09	NF	NF	NF	NF	13
14	NF	NF	NF	NF	8.68	6.83	6.16	4.27	NF	NF	NF	NF	14
15	NF	NF	NF	NF	10.07	6.80	6.16	4.25	NF	NF	NF	NF	15
16	NF	NF	NF	NF	8.56	6.77	6.09	4.09	3.97	NF	NF	NF	16
17	NF	NF	NF	NF	7.56	6.80	5.91	4.00	3.99	NF	NF	NF	17
18	NF	NF	NF	NF	7.36	6.72	5.67	3.97	4.05	NF	NF	NF	18
19	NF	NF	NF	NF	7.33	6.68	5.46	3.96	3.77	NF	NF	NF	19
20	NF	NF	NF	NF	6.78	6.44	5.38	4.19	3.55	NF	NF	NF	20
21	NF	NF	NF	NF	6.55	6.24	5.27	4.04	NF	NF	NF	NF	21
22	NF	NF	4.20	NF	6.36	6.31	5.06	3.89	NF	NF	NF	NF	22
23	NF	NF	4.24	NF	6.23	6.44	4.97	3.95	NF	NF	NF	NF	23
24	NF	NF	4.10	NF	6.12	6.38	4.83	4.06	NF	NF	NF	NF	24
25	NF	NF	3.98	NF	6.02	6.33	4.92	4.15	NF	NF	NF	NF	25
26	NF	NF	3.77	NF	5.96	6.33	4.88	4.12	NF	NF	NF	NF	26
27	NF	NF	NF	NF	5.82	6.46	4.79	4.08	NF	NF	NF	NF	27
28	NF	NF	NF	NF	5.76	6.64	4.88	3.94	NF	NF	NF	NF	28
29	NF	NF	NF	NF		6.78	5.14	3.84	NF	NF	NF	NF	29
30	NF	NF	NF	NF		7.00	4.95	3.76	NF	NF	NF	NF	30
31	NF		NF	NF		7.08		3.75		NF	NF		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 43 25	122 02 47		39900	18.31	2/25/58	OCT 40 - DATE	OCT 40 - DATE	1941 1944	1944 1946	188.11 186.61	USED USED

Station located 2.3 mi. SW of Hamilton City, 6 mi. above mouth. Tributary to Sacramento River. Flow regulared by East Park Reservoir and Stony Gorge Reservoir. Flow to Sacramento River is cut off during irrigation season by an earth fill installed by Glenn-Colusa Irrigation District to transport water from their main canal across Stony Creek. Records furnished by U.S.G.S. Drainage area is 764 sq. mi.

TABLE 233
DAILY MEAN GAGE HEIGHT

STONY CREEK AT ST. JOHN

STATION NO	WATER YEAR
A03110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	2.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	2.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	1.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	NR	5.5	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	NR	4.6	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	3.8	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	1.9	NR	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	2.4	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	3.6	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	5.0	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	3.0	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	2.4	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	2.0	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	2.0	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 42 35	122 00 07			13.9	2/28/40		06-DATE			136.9 134.10	USED USCGS

Staff located at State Highway 45 bridge, 2 mi. S. of Hamilton City. Records furnished by U.S.W.B. Gage read daily.

TABLE 234

DAILY MEAN GAGE HEIGHT

BIG CHICO CREEK NEAR CHICO

STATION NO	WATER YEAR
A42110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.11	2.15	5.22	2.36	2.46	3.04	03.09	2.51	2.30	2.22	2.17	2.12	1
2	2.11	2.16	4.94	2.34	2.45	3.12	03.06	2.49	2.28	2.22	2.17	2.12	2
3	2.10	2.16	3.52	2.33	2.43	3.06	03.05	2.48	2.28	2.22	2.17	2.12	3
4	2.11	2.15	3.02	2.31	2.40	3.01	03.01	2.45	2.28	2.21	2.18	2.12	4
5	2.11	2.15	2.76	2.30	2.40	3.44	02.98	2.44	2.28	2.21	2.19	2.12	5
6	2.12	2.15	2.61	2.30	2.41	5.97	02.96	2.43	2.27	2.20	2.18	2.12	6
7	2.12	2.15	2.51	2.29	2.89	4.90	02.94	2.42	2.27	2.20	2.18	2.12	7
8	2.12	2.15	2.46	2.28	3.76	4.24	02.94	2.40	2.26	2.20	2.18	2.12	8
9	2.12	2.15	2.41	2.28	5.80	3.96	02.93	2.42	2.25	2.20	2.20	2.12	9
10	2.13	2.16	2.37	2.27	5.57	3.75	02.89	2.40	2.25	2.20	2.21	2.11	10
11	2.13	2.16	2.35	2.26	4.52	3.58	02.84	2.40	2.25	2.20	2.19	2.11	11
12	2.15	2.16	2.33	2.28	4.82	3.42	02.80	2.40	2.25	2.20	2.18	2.11	12
13	2.13	2.16	2.31	2.28	8.52	3.31	02.78	2.41	2.25	2.20	2.18	2.12	13
14	2.12	2.15	2.31	2.26	7.13	3.24	02.76	2.40	2.30	2.19	2.17	2.12	14
15	2.11	2.15	2.30	2.25	7.68	3.18	02.75	2.40	2.29	2.19	2.15	2.12	15
16	2.11	2.15	2.28	2.25	5.91	3.13	02.72	2.41	2.29	2.19	2.15	2.11	16
17	2.12	2.15	2.41	2.25	4.92	3.08	02.70	2.38	2.29	2.19	2.14	2.11	17
18	2.12	2.15	2.46	2.26	4.47	3.03	02.67	2.37	2.28	2.19	2.15	2.10	18
19	2.12	2.15	2.64	3.37	4.18	3.00	02.72	2.36	2.27	2.19	2.12	2.11	19
20	2.13	2.19	3.12	4.60	3.90	3.00	02.74	2.37	2.25	2.19	2.13	2.11	20
21	2.14	2.19	3.18	3.48	3.67	2.98	02.68	2.33	2.25	2.18	2.13	2.12	21
22	2.14	2.19	2.97	3.04	3.50	3.38	02.64	2.33	2.24	2.18	2.13	2.16	22
23	2.14	2.20	2.80	2.85	3.38	3.46	02.61	2.34	2.23	2.18	2.13	2.12	23
24	2.15	2.26	2.68	2.74	3.29	3.36	02.59	2.34	2.23	2.18	2.13	2.12	24
25	2.15	2.60	2.60	2.65	3.20	3.30	02.58	2.35	2.22	2.18	2.12	2.12	25
26	2.15	2.69	2.54	2.60	3.10	3.24	02.56	2.36	2.22	2.18	2.12	2.12	26
27	2.16	2.49	2.49	2.56	3.02	3.20	02.57	2.36	2.22	2.18	2.12	2.13	27
28	2.18	2.32	2.45	2.52	2.99	3.17	02.62	2.34	2.22	2.17	2.12	2.15	28
29	2.16	2.62	2.41	2.50		3.16	02.56	2.33	2.22	2.17	2.12	2.18	29
30	2.15	3.47	2.39	2.50		3.14	02.53	2.32	2.22	2.17	2.12	2.16	30
31	2.15		2.37	2.48		3.11		2.30		2.17	2.12		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 46 35	121 45 10		8260	16.6	12/10/37	MAY 30 - DATE	MAY 30 - DATE				

Station located 1.8 mi. above golf clubhouse in Bidwell Park, 7 mi. NE of Chico. Tributary to Sacramento River. Records furnished by U.S.C.S. Drainage area is 67.9 sq. mi.

TABLE 235

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT ORD FERRY

STATION NO	WATER YEAR
A02570	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	46.31	46.12	50.36	45.84	45.74	49.95	47.42	46.98	46.56	47.00	47.12	46.64	1
2	46.10	46.00	59.24	45.81	45.74	50.81	47.44	46.95	46.53	47.02	47.13	46.67	2
3	45.95	45.96	53.23	45.77	45.74	50.77	47.43	46.90	46.48	46.99	47.13	46.70	3
4	45.89	45.96	49.22	45.74	45.72	50.24	47.39	46.91	46.49	46.98	47.16	46.73	4
5	45.89	45.92	47.78	45.71	45.70	50.16	47.33	46.91	46.43	46.94	47.16	46.77	5
6	45.89	45.89	47.19	45.70	45.69	57.53	47.29	46.86	46.53	46.91	47.13	46.79	6
7	45.89	45.90	46.81	45.66	45.85	59.04	47.18	46.85	46.63	46.93	47.15	46.66	7
8	45.88	45.89	46.55	45.63	47.70	54.60	47.14	46.85	46.69	46.96	47.17	46.55	8
9	45.89	45.89	46.37	45.63	51.39	52.81	47.09	46.91	46.70	47.02	47.21	46.40	9
10	45.90	45.89	46.24	45.63	54.79	51.82	46.95	46.97	46.88	47.00	47.26	46.25	10
11	45.95	45.90	46.14	45.61	53.27	51.07	46.59	46.86	46.89	46.99	47.25	46.23	11
12	46.01	45.92	46.07	45.60	51.83	50.38	46.39	46.69	46.84	46.99	47.23	46.20	12
13	46.04	45.91	46.01	45.60	55.88	49.80	46.45	46.69	46.83	46.98	47.22	46.07	13
14	46.04	45.91	45.97	45.57	60.66	49.25	46.52	46.67	46.96	46.98	47.21	46.08	14
15	46.00	45.90	45.95	45.54	61.96	48.74	46.59	46.62	47.06	46.99	47.18	46.09	15
16	45.97	45.90	45.92	45.50	61.28	48.31	46.57	46.59	47.08	47.09	47.21	46.08	16
17	45.92	45.89	45.89	45.50	55.89	47.96	46.36	46.53	47.06	47.13	47.20	46.09	17
18	45.88	45.93	45.94	45.50	54.03	47.75	46.15	46.49	47.07	47.10	47.19	46.13	18
19	45.88	45.94	46.07	45.58	55.24	47.56	46.07	46.48	47.03	47.07	47.20	46.15	19
20	45.90	45.97	49.50	50.74	53.30	47.42	46.10	46.45	46.99	47.09	47.21	46.15	20
21	45.96	46.02	52.03	50.33	52.22	47.40	45.99	46.40	46.97	47.13	47.20	46.14	21
22	45.96	46.01	49.74	47.73	51.53	47.45	46.10	46.36	46.91	47.12	47.21	46.21	22
23	45.98	46.01	47.96	46.65	51.06	48.13	46.17	46.35	46.88	47.09	47.21	46.15	23
24	45.98	46.08	47.20	46.35	50.76	47.83	46.21	46.40	46.87	47.09	47.21	46.09	24
25	45.98	46.69	46.79	46.21	50.50	47.56	46.45	46.49	46.86	47.10	47.23	46.07	25
26	45.99	49.03	46.50	46.09	50.23	47.43	46.55	46.54	46.83	47.04	47.25	46.05	26
27	46.06	48.01	46.29	45.97	49.98	47.41	46.72	46.56	46.90	47.06	47.24	46.08	27
28	46.14	47.09	46.13	45.89	49.86	47.37	46.94	46.54	47.00	47.09	47.21	46.10	28
29	46.17	46.73	46.04	45.82		47.31	47.22	46.54	46.99	47.09	47.03	46.14	29
30	46.13	48.08	45.95	45.79		47.40	47.12	46.58	46.99	47.11	46.83	46.21	30
31	46.12		45.89	45.77		47.42		46.59		47.13	46.71		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-26-61	0800	49.45	12-21-61	1630	52.63	2-12-62	1030	51.92	2-19-62	0945	55.85
12- 2-61	1430	60.66	1-20-62	1800	53.13	2-14-62	0700	61.04	3-2-62	2000	51.45
12-20-61	2000	52.17	2-10-62	1030	55.19	2-15-62	2230	63.82	3-7-62	0100	61.59

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 21N 1W	370000	121.7	2/28/40	JAN 48 - DATE	21-MAY 27# FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41# NOV 41-DATE	1937		0.00	USED

Station located 0.1 mi. below Ord Ferry. Records of flow in excess of 70,000 c.f.s. are based on extension of rating curve and correlation with adjacent gaging stations because of inability to measure flow above this figure.

- Flood season only

TABLE 236

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT BUTTE CITY

STATION NO	WATER YEAR
A02500	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	70.58	70.38	73.61	70.19	70.04	74.58	71.88	71.24	70.80	71.20	71.28	70.86	1
2	70.45	70.32	NR	70.13	70.03	75.24	71.88	71.20	70.77	71.21	71.27	70.90	2
3	70.24	70.22	NR	70.10	70.02	75.65	71.88	71.15	70.73	71.19	71.29	70.92	3
4	70.15	70.22	74.67	70.03	69.99	75.04	71.81	71.16	70.71	71.17	71.32	70.96	4
5	70.16	70.20	72.55	70.00	69.97	74.82	71.78	71.15	70.68	71.13	71.34	70.99	5
6	70.16	70.18	71.72	69.98	69.96	80.83	71.73	71.10	70.71	71.11	71.32	71.02	6
7	70.16	70.18	71.26	69.93	70.15	87.46	71.61	71.08	70.81	71.12	71.34	70.90	7
8	70.14	70.18	70.98	69.90	71.58	82.95	71.58	71.07	70.85	71.16	71.38	70.81	8
9	70.14	70.18	70.79	69.89	74.76	78.89	71.48	71.11	70.87	71.18	71.42	70.67	9
10	70.16	70.18	70.65	69.87	79.97	77.33	71.35	71.20	71.02	71.16	71.47	70.52	10
11	70.19	70.19	70.51	69.86	78.76	76.30	70.99	71.13	71.10	71.15	71.45	70.46	11
12	70.27	70.20	70.42	69.87	76.91	75.50	70.72	70.94	71.06	71.16	71.46	70.42	12
13	70.32	70.19	70.35	69.87	79.59	74.83	70.75	70.90	71.03	71.16	71.43	70.30	13
14	70.31	70.18	70.31	69.83	86.97	74.25	70.79	70.92	71.14	71.15	71.43	70.30	14
15	70.27	70.18	70.29	69.81	88.79	73.71	70.85	70.85	71.27	71.16	71.40	70.30	15
16	70.26	70.16	70.24	69.78	90.25	73.21	70.84	70.85	71.30	71.25	71.41	70.28	16
17	70.20	70.17	70.20	69.77	84.99	72.76	70.63	70.77	71.30	71.28	71.39	70.28	17
18	70.16	70.19	70.26	69.76	80.64	72.48	70.39	70.71	71.29	71.29	71.41	70.33	18
19	70.15	70.20	70.40	69.82	81.36	72.22	70.24	70.69	71.27	71.25	71.41	70.39	19
20	70.17	70.23	72.97	NR	79.56	72.05	70.29	70.67	71.23	71.25	71.42	70.37	20
21	70.23	70.31	76.58	75.61	77.68	71.95	70.19	70.62	71.17	71.28	71.40	70.37	21
22	70.24	70.29	74.82	72.54	76.74	71.98	70.20	70.57	71.12	71.28	71.41	70.42	22
23	70.25	70.29	72.60	71.19	76.12	72.58	70.32	70.55	71.08	71.26	71.41	70.36	23
24	70.26	70.32	71.69	70.80	75.71	72.50	70.31	70.59	71.06	71.26	71.41	70.28	24
25	70.25	70.67	71.20	70.61	75.39	72.13	70.57	70.68	71.04	71.28	71.44	70.27	25
26	70.26	72.99	70.88	70.47	75.08	71.93	70.67	70.75	71.02	71.21	71.45	70.23	26
27	70.30	72.49	70.68	70.36	74.76	71.89	70.89	70.80	71.06	71.23	71.42	70.26	27
28	70.42	71.55	70.50	70.24	74.56	71.88	71.04	70.79	71.19	71.24	71.40	70.29	28
29	70.43	71.09	70.39	70.16		71.72	71.43	70.76	71.18	71.25	71.23	70.34	29
30	70.41	71.90	70.30	70.10		71.84	71.39	70.80	71.19	71.26	71.08	70.41	30
31	70.39		70.23	70.07		71.89		70.81		71.29	70.94		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 35	121 59 35	NE32 19N 1W	170000	96.87	2/7/42	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-OCT 288 APR 29-DATE	1921		0.00	USED

Station located at Highway bridge, 0.5 mi. S. of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by U.S.G.S.

8 - Irrigation season only

TABLE 237

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT MOULTON WEIR

STATION NO	WATER YEAR
A02445	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	NR	77.17	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	NR	76.82	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	77.04	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	77.57	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	79.00	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	77.72	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	0500	75.44									
2-16-62	1400	79.25									
3- 7-62	1600	77.33									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		

See Moulton Weir Spill to Butte Basin. Gage heights below weir crest (76.80 ft.) are not tabulated.

TABLE 238

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER OPPOSITE MOULTON WEIR

STATION NO	WATER YEAR
A02450	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	57.17	56.93	60.12	56.76	56.65E	62.08	58.76	57.86	57.39	57.74	57.89	57.43	1
2	57.08	56.88	69.95	56.69	56.60E	62.71	58.74	57.77	57.35	57.75	57.87	57.46	2
3	56.82	56.76	73.30E	56.65	56.60E	63.76	58.75	57.74	57.31	57.76	57.88	57.50	3
4	56.69	56.74	64.00E	56.59	56.55	62.98	58.71	57.71	57.29	57.72	57.91	57.55	4
5	56.67	56.74	59.80E	56.55	56.53	62.55	58.64	57.71	57.24	57.69	57.93	57.58	5
6	56.68	56.60	58.72	56.51	56.52	67.53	58.62	57.67	57.26	57.66	57.91	57.64	6
7	56.69	56.68	58.10	56.48	56.58	76.50	58.45	57.62	57.34	57.65	57.88	57.58	7
8	56.67	56.68	57.73	56.45	57.92	74.31	58.43	57.62	57.40	57.72	57.93	57.47	8
9	56.67	56.69	57.50	56.42	61.12	69.59	58.30	57.64	57.42	57.74	58.00	57.32	9
10	56.68	56.67	57.30	56.41	68.22	66.95	58.20	57.77	57.54	57.75	58.04	57.13	10
11	56.72	56.68	57.16	56.40	68.92	65.09	57.80	57.74	57.65	57.72	58.02	57.03	11
12	56.80	56.72	57.05	56.41	66.53	63.81	57.43	57.54	57.63	57.74	58.03	57.00	12
13	56.87	56.70	56.96	56.38	67.37	62.75	57.39	57.45	57.57	57.72	58.01	56.90	13
14	56.89	56.69	56.91	56.37	75.32	61.93	57.40	57.46	57.65	57.73	58.01	56.84	14
15	56.86	56.69	56.85	56.34	77.63	61.20	57.45	57.39	57.83	57.73	57.98	56.86	15
16	56.82	56.67	56.81	56.30	79.22	60.52	57.48	57.42	57.88	57.82	57.98	56.85	16
17	56.77	56.66	56.77	56.26	76.12	59.99	57.29	57.36	57.89	57.86	57.99	56.85	17
18	56.70	56.68	56.79	56.26	71.72	59.60	56.98	57.27	57.88	57.85	57.98	56.88	18
19	56.67	56.73	56.94	56.29	71.13	59.32	56.78	57.24	57.85	57.81	57.99	56.96	19
20	56.69	56.74	58.82	59.68	70.36	59.07	56.77	57.24	57.81	57.81	58.01	56.97	20
21	56.74	56.84	64.24	63.97	67.41	58.86	56.71	57.18	57.76	57.96	57.99	56.97	21
22	56.77	56.82	63.48	59.90E	65.63	58.89	56.65	57.15	57.70	57.87	58.00	56.99	22
23	56.78	56.82	59.85E	58.05E	64.52	59.42	56.85	57.10	57.62	57.85	58.00	56.99	23
24	56.78	56.82	58.35E	57.50E	63.79	59.64	56.81	57.09	57.59	57.85	57.99	56.90	24
25	56.70	57.01	57.80E	57.20E	63.30	59.17	57.00	57.15	57.59	57.87	58.02	56.86	25
26	56.79	59.49	57.55E	57.00E	62.87	58.87	57.12	57.27	57.56	57.83	58.03	56.84	26
27	56.83	59.60	57.38E	56.85E	62.44	58.78	57.36	57.32	57.59	57.80	58.02	56.83	27
28	56.96	58.48	57.17	56.80E	62.16	58.77	57.52	57.34	57.73	57.84	58.01	56.86	28
29	56.99	57.82	57.02	56.75E		58.57	57.99	57.32	57.73	57.85	57.89	56.89	29
30	56.99	58.34	56.91	56.70F		58.67	58.04	57.32	57.72	57.85	57.70	56.92	30
31	56.95		56.84	56.70E		58.76		57.37		57.88	57.54		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-26-61	1900	60.43	1-21-62	0500	65.40	2-19-62	2100	72.08	3-24-62	0030	59.92
12- 3-61	0430	75.33	2-11-62	0030	69.78	3- 3-62	0630	64.08			
12-22-61	0100	65.37	2-16-62	1230	79.53	3- 7-62	1700	77.28			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42	MAR 54-DATE 8	OCT 22-MAY 40# JUL 40-JUL 41 NOV 41-JUL 43# OCT 43-DATE			0.00	USED

Station located immediately W. of weir, 4.8 mi. S. of Princeton. Flow computed for irrigation season only.

8 - Irrigation season only

- Flood season only

TABLE 239

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT COLUSA WEIR

STATION NO	WATER YEAR
A02430	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	63.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	63.86	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	62.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	63.00	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	NR	64.83	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	NR	64.40	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	62.58	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	61.95	NR	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	62.34	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	64.25	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	65.34	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	66.17	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	65.17	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	63.38	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	62.92	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	62.73	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	61.82	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	0700	64.37	2-19-62	2200	63.39						
2-11-62	0430	62.03	3- 7-62	1900	65.24						
2-16-62	1500	66.31									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		

See Colusa Weir Spill to Butte Basin. Gage heights below weir crest (61.80 ft.) are not tabulated.

TABLE 240

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT COLUSA

STATION NO	WATER YEAR
A02420	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	41.53	41.00	45.83	41.10	40.83	50.04	44.80	42.95	42.23	42.68	42.91	42.50	1
2	41.47	41.03	55.95	40.98	40.81	50.49	44.77	42.77	42.23	42.70	42.91	42.39	2
3	41.00	40.77	62.00	40.89	40.79	52.20	44.74	42.71	42.18	42.71	42.91	42.37	3
4	40.79	40.76	56.85	40.80	40.73	51.66	44.68	42.67	42.11	42.71	42.94	42.40	4
5	40.72	40.70	49.41	40.72	40.69	50.81	44.58	42.69	42.01	42.70	42.98	42.46	5
6	40.74	40.70	45.74	40.62	40.67	54.39	44.49	42.67	41.90	42.65	43.02	42.56	6
7	40.75	40.69	44.10	40.60	40.70	61.68	44.28	42.55	41.96	42.61	43.03	42.63	7
8	40.69	40.68	43.23	40.58	41.99	62.71	44.19	42.53	42.09	42.63	43.04	42.58	8
9	40.67	40.69	42.68	40.53	46.25	60.58	44.01	42.56	42.16	42.69	43.07	42.40	9
10	40.66	40.67	42.27	40.52	55.48	58.11	43.87	42.70	42.23	42.72	43.14	42.11	10
11	40.71	40.68	41.90	40.50	59.66	55.60	43.32	42.77	42.49	42.72	43.18	41.80	11
12	40.83	40.72	41.64	40.50	57.59	53.61	42.70	42.60	42.52	42.71	43.21	41.66	12
13	41.00	40.71	41.40	40.48	56.66	51.85	42.51	42.32	42.44	42.70	43.24	41.57	13
14	41.02	40.68	41.30	40.42	62.41	50.38	42.50	42.31	42.45	42.70	43.24	41.41	14
15	40.98	40.70	41.20	40.37	63.65	49.16	42.51	42.26	42.68	42.70	43.22	41.40	15
16	40.91	40.64	41.12	40.30	64.59	48.11	42.56	42.24	42.86	42.73	43.20	41.40	16
17	40.85	40.61	41.02	40.27	63.54	47.18	42.44	42.21	42.94	42.83	43.19	41.38	17
18	40.76	40.63	41.02	40.23	61.57	46.42	41.98	42.10	42.97	42.87	43.18	41.35	18
19	40.70	40.70	41.22	40.25	61.07	45.90	41.54	42.00	42.94	42.86	43.18	41.44	19
20	40.70	40.76	42.64	42.90	60.88	45.43	41.39	41.99	42.89	42.82	43.20	41.52	20
21	40.74	40.88	51.12	52.19	58.64	45.12	41.39	41.94	42.83	42.81	43.21	41.51	21
22	40.82	40.89	52.77	48.22	56.18	45.07	41.15	41.85	42.76	42.86	43.21	41.52	22
23	40.82	40.86	47.98	44.08	54.48	45.49	41.41	41.77	42.61	42.87	43.20	41.59	23
24	40.83	40.89	44.90	42.55	53.74	46.30	41.42	41.72	42.53	42.85	43.21	41.49	24
25	40.83	41.27	43.49	42.02	52.33	45.53	41.50	41.76	42.49	42.84	43.21	41.36	25
26	40.83	44.00	42.83	41.71	51.62	45.11	41.78	41.94	42.45	42.85	43.21	41.30	26
27	40.85	45.97	42.21	41.50	50.89	44.91	42.00	42.08	42.41	42.81	43.23	41.26	27
28	41.09	44.30	41.82	41.29	50.33	44.89	42.27	42.13	42.65	42.80	43.23	41.28	28
29	41.15	42.83	41.57	41.11		44.63	42.90	42.12	42.68	42.84	43.16	41.33	29
30	41.16	42.92	41.36	40.98		44.64	43.16	42.12	42.66	42.87	42.86	41.48	30
31	41.11		41.22	40.90		44.79		42.20		42.88	42.62		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 12 50	121 59 55	NW29 16N 1W	49000	69.20	2/8/42	APR 20-OCT 38 ϑ JAN 39-DATE	APR 19-DATE	1921 1921		0.00 -3.0	USED USCGS

Station located just below highway bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by U.S.G.S.

ϑ - Irrigation season only

TABLE 241

DAILY MEAN GAGE HEIGHT

BUTTE CREEK NEAR CHICO

STATION NO	WATER YEAR
A41110	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	1.43	1.35	3.33	1.53	1.70	2.33	2.43	2.40	2.09	1.76	1.65	1.60	1
2	1.42	1.36	3.05	1.52	1.71	2.40	2.45	2.40	2.09	1.75	1.63	1.60	2
3	1.34	1.35	2.19	1.51	1.70	2.33	2.47	2.43	2.09	1.75	1.62	1.60	3
4	1.34	1.35	1.90	1.50	1.69	2.27	2.50	2.46	2.06	1.74	1.65	1.59	4
5	1.34	1.34	1.77	1.49	1.69	2.55	2.52	2.46	2.03	1.73	1.67	1.60	5
6	1.35	1.34	1.67	1.48	1.72	3.95	2.52	2.47	2.02	1.73	1.66	1.60	6
7	1.37	1.35	1.62	1.48	2.20	3.27	2.54	2.45	1.99	1.72	1.65	1.60	7
8	1.38	1.35	1.59	1.49	2.95	2.88	2.59	2.46	1.98	1.72	1.65	1.60	8
9	1.37	1.35	1.56	1.49	4.54	2.72	2.62	2.49	1.98	1.71	1.68	1.59	9
10	1.37	1.35	1.54	1.48	4.17	2.60	2.56	2.42	1.98	1.71	1.68	1.59	10
11	1.41	1.35	1.51	1.47	3.16	2.50	2.52	2.37	1.95	1.71	1.66	1.60	11
12	1.39	1.35	1.51	1.49	3.21	2.41	2.54	2.33	1.94	1.71	1.65	1.60	12
13	1.37	1.35	1.49	1.48	5.49	2.35	2.59	2.31	1.93	1.71	1.64	1.60	13
14	1.36	1.36	1.48	1.47	4.74	2.32	2.62	2.27	1.99	1.70	1.62	1.58	14
15	1.35	1.36	1.49	1.48	5.62	2.32	2.68	2.24	1.97	1.70	1.62	1.55	15
16	1.35	1.36	1.48	1.46	4.14	2.30	2.65	2.25	1.93	1.70	1.62	1.55	16
17	1.35	1.37	1.58	1.47	3.52	2.27	2.59	2.23	1.91	1.69	1.61	1.56	17
18	1.35	1.37	1.59	1.47	3.23	2.24	2.57	2.23	1.89	1.69	1.61	1.60	18
19	1.35	1.38	1.72	2.74	3.06	2.25	2.61	2.21	1.87	1.69	1.61	1.59	19
20	1.37	1.43	1.98	2.83	2.87	2.28	2.56	2.16	1.85	1.69	1.61	1.60	20
21	1.37	1.40	2.15	2.06	2.71	2.25	2.49	2.13	1.84	1.68	1.60	1.60	21
22	1.35	1.40	1.94	1.78	2.60	2.54	2.47	2.15	1.83	1.68	1.60	1.61	22
23	1.35	1.46	1.80	1.72	2.52	2.44	2.50	2.15	1.82	1.68	1.61	1.61	23
24	1.36	1.50	1.72	1.69	2.48	2.35	2.52	2.13	1.81	1.68	1.61	1.61	24
25	1.35	1.78	1.67	1.67	2.40	2.32	2.53	2.12	1.79	1.68	1.60	1.60	25
26	1.36	1.87	1.59	1.63	2.33	2.32	2.49	2.12	1.79	1.68	1.60	1.61	26
27	1.38	1.70	1.60	1.60	2.26	2.34	2.52	2.12	1.78	1.67	1.59	1.61	27
28	1.41	1.50	1.60	1.60	2.26	2.36	2.63	2.09	1.77	1.68	1.60	1.63	28
29	1.37	1.69	1.56	1.62		2.35	2.48	2.12	1.77	1.67	1.60	1.66	29
30	1.36	2.36	1.54	1.68		2.36	2.42	2.12	1.76	1.67	1.60	1.64	30
31	1.35		1.53	1.70		2.38		2.11		1.66	1.60		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 43 34	121 42 28	NW36 22N 2E	18700	13.35	12/22/55	NOV 30 - DATE	NOV 30 - DATE				

Station located 0.7 mi. below Little Butte Creek, 7.5 mi. E. of Chico. Flow slightly regulated by storage in Magalia Reservoir. Considerable importations above station from West Branch Feather River via power plants. Records furnished by U.S.G.S. Drainage area is 148 sq. mi.

TABLE 242

DAILY MEAN GAGE HEIGHT

CHEROKEE CANAL NEAR RICHVALE

STATION NO	WATER YEAR
A02984	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.07	2.76	6.32	3.25	3.23	5.24	3.29	3.65	3.85	3.71	3.81	3.48	1
2	2.06	2.77	6.52	3.24	3.22	5.12	3.33	3.87	3.85	3.72	3.80	3.37	2
3	2.05	2.75	5.19	3.23	3.26	4.37	3.28	3.79	3.77	3.52	3.85	3.29	3
4	2.05	2.64	4.09	3.26	3.23	4.08	3.15	3.68	3.73	3.44	3.86	3.32	4
5	2.04	2.61	3.81	3.22	3.20	4.40	3.12	3.57	3.74	3.55	3.87	3.36	5
6	2.04	2.60	3.66	3.13	3.27	7.58	3.14	3.70	3.70	3.63	3.86	2.93	6
7	2.02	2.61	3.52	3.19	4.33	6.18	3.13	3.71	3.73	3.64	3.87	2.70	7
8	2.00	2.66	3.39	3.17	5.36	5.30	3.09	3.60	3.69	3.62	3.90	2.82	8
9	2.00	2.82	3.36	3.16	7.03	4.71	3.07	3.48	3.65	3.61	3.83	2.81	9
10	2.11	2.79	3.37	3.15	5.94	4.42	3.04	3.54	3.65	3.67	3.74	2.76	10
11	2.28	2.79	3.29	3.13	5.01	4.19	3.01	3.60	3.68	3.76	3.92	2.78	11
12	2.47	2.76	3.31	3.19	5.08	4.04	2.92	3.57	3.89	3.82	3.86	2.92	12
13	2.58	2.77	3.26	3.23	8.10	3.71	2.92	3.62	3.91	3.92	3.84	2.90	13
14	2.52	2.73	3.26	3.16	7.16	3.61	2.98	3.62	3.93	3.80	3.78	3.05	14
15	2.37	2.82	3.21	3.13	7.89	3.54	3.11	3.68	3.88	3.76	3.68	2.96	15
16	2.15	2.81	3.19	3.12	6.60	3.48	3.24	3.85	3.94	3.76	3.60	3.00	16
17	2.05	2.79	3.26	3.12	5.75	3.58	3.33	3.71	3.97	3.74	3.64	2.92	17
18	2.13	2.86	3.35	3.13	5.78	3.61	3.69	3.63	3.95	3.73	3.86	2.90	18
19	2.40	2.89	3.59	3.71	5.99	3.59	4.07	3.83	3.92	3.78	3.86	2.97	19
20	2.50	3.02	4.41	5.69	6.16	3.36	4.04	3.80	3.85	3.69	3.74	3.02	20
21	2.59	3.14	3.76	4.07	5.60	3.30	3.91	3.81	3.86	3.75	3.73	2.97	21
22	2.57	3.04	3.56	3.80	4.85	3.91	3.91	3.99	3.92	3.72	3.75	2.91	22
23	2.57	3.04	3.45	3.55	4.65	4.05	3.83	3.92	3.78	3.60	3.91	2.90	23
24	2.57	3.04	3.39	3.39	5.88	3.55	3.69	3.94	3.74	3.65	3.92	2.99	24
25	2.60	3.13	3.35	3.36	4.85	3.60	3.94	3.83	3.72	3.88	3.73	2.98	25
26	2.61	3.35	3.33	3.33	4.48	3.55	3.97	3.78	3.72	3.83	3.69	3.13	26
27	2.67	3.26	3.31	3.29	4.18	3.46	3.96	3.83	3.56	3.83	3.44	3.22	27
28	2.68	3.10	3.30	3.27	4.07	3.41	3.76	3.96	3.29	3.74	3.77	3.22	28
29	2.61	3.21	3.29	3.26		3.38	3.74	3.94	3.27	3.66	3.81	3.20	29
30	2.68	4.39	3.27	3.26		3.37	3.79	3.76	3.53	3.70	3.79	3.19	30
31	2.72		3.18	3.23		3.38		3.78		3.79	3.48		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	5600E	9.48	2/9/61	JUL 60 - DATE	JUL 60 - DATE	1960		88.20	USCGS

Station located on Butte City Road Bridge, 2.1 mi. S. of Richvale. Backwater from Cherokee Dam Weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

TABLE 243
DAILY MEAN GAGE HEIGHT

BUTTE SLOUGH AT OUTFALL GATES

STATION NO	WATER YEAR
A02967	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	37.97	40.54	42.40	37.70	37.45	47.76	42.3	42.00	41.89	42.43	41.95	42.33	1
2	37.98	40.58	45.67	37.55	37.37	47.86	42.1	41.86	41.75	42.43	42.07	42.38	2
3	37.53	40.58	48.50	37.35	37.35	48.40	42.0	41.92	42.13	42.47	42.27	42.33	3
4	37.33	40.58	50.92	37.23	37.29	48.33	41.9	42.27	41.71	42.30	42.30	42.19	4
5	37.23	40.59	49.48	37.16	37.19	48.00	41.8	42.06	41.62	42.17	42.10	42.15	5
6	37.22	40.56	47.19	37.10	37.13	48.16	41.7*	41.95	41.89	42.18	42.21	42.51	6
7	37.19	40.43	45.48	37.09	37.25	50.25	41.57	42.23	41.86	42.18	42.32	42.45	7
8	37.10	40.41	44.17	37.22	38.68	NR	41.44	42.36	42.19	42.24	42.17	41.93	8
9	36.98	40.57	43.01	37.54	42.92	NR	41.30	42.18	42.16	42.30	42.11	41.86	9
10	37.36	40.81	41.85	37.67	46.70	NR	41.19	42.34	42.14	42.26	42.21	41.89	10
11	38.20	40.88	40.48	37.89	47.87	NR	40.75	41.92	42.14	42.14	42.36	41.89	11
12	38.22	40.99	41.29	38.00	48.24	51.00E	39.98	41.67	42.22	42.38	42.21	41.90	12
13	38.61	41.09	42.82	37.83	48.40E	49.73	39.62	41.78	41.89	42.53	42.00	41.91	13
14	39.35	41.07	42.75	37.62	NR	48.49	39.61	42.27	41.94	42.18	42.27	41.82	14
15	39.54	41.09	42.52	37.37	55.02E	47.48	40.05	42.49	42.02	41.99	42.24	41.79	15
16	39.75	41.19	42.34	37.22	57.70E	46.61	40.95	42.52	42.47	42.29	42.25	41.45	16
17	40.00	41.14	42.06	37.09	58.80E	45.83	40.74	42.20	42.56	42.43	42.36	40.99	17
18	40.19	41.03	41.79	37.00	NR	45.10	40.20	42.41	42.64	42.33	42.33	40.15	18
19	40.23	41.03	41.70	37.04	55.70E	44.48	40.90	42.20	42.59	42.23	41.83	39.69	19
20	40.11	41.19	40.78	38.88	54.78E	43.90	40.99	41.78	42.56	42.14	41.99	39.66	20
21	40.14	41.56	44.10	45.16	53.86E	43.38	41.08	42.10	42.37	42.06	41.83	39.83	21
22	40.33	41.86	45.40	45.36	52.94E	43.10	41.11	42.18	42.01	42.03	41.79	39.97	22
23	40.35	42.15	44.78	42.40	52.02E	43.24	40.80	41.87	42.12	42.08	42.18	39.71	23
24	40.40	42.30	42.34	40.26	51.14E	43.89	40.53	41.71	42.38	42.13	42.32	39.19	24
25	40.36	42.40	40.76	39.40	50.25E	43.31	41.09	42.20	42.39	42.22	42.26	38.57	25
26	40.33	42.80	39.84	38.88	49.37E	42.94	41.44	42.40	42.37	42.21	42.28	38.32	26
27	40.44	42.96	39.13	38.50	48.67	42.68	41.22	42.55	42.31	42.21	42.26	38.17	27
28	40.50	41.49	38.65	38.22	48.14	42.56	41.11	42.56	42.28	42.23	42.33	38.28	28
29	40.54	39.96	38.30	37.96		42.29	41.76	42.48	42.63	42.19	42.29	38.40	29
30	40.54	39.65	38.03	37.71		42.29	42.29	42.51	42.57	42.15	42.09	38.54	30
31	40.47		37.86	37.54		42.50		42.34		42.08	42.03		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-27-61	0945	43.40	12-22-61	1800	45.54	3-24-62	1000	44.00			
12- 4-61	1345	51.12	1-22-62	0230	46.07						
12-12-61	1400	42.46	3- 3-62	1530	48.45						

Note: Major crests occurring between February 13-26 and March 8-12 were not recorded or observed.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 B JAN 39-DATE	JUN 24 - DATE			0.00	USED

Station located 4.0 mi. E. of Colusa, 3.7 mi. N. of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. These flows, together with flow of Butte Slough at Mawson Bridge and Wadsworth Canal at Butte House Road are, during the summer months, made up almost entirely of return water from lands irrigated by Feather River diversions.

B - Irrigation season only

TABLE 244

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT MERIDIAN

STATION NO	WATER YEAR
402380	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	35.19	34.72	39.42	35.19	34.90	45.24	39.55	36.90	36.31	36.23	36.32	35.81	1
2	35.19	34.69	47.87	35.07	34.84	45.54	39.46	36.68	36.20	36.24	36.30	35.86	2
3	34.73	34.45	55.96	34.92	34.82	47.18	39.40	36.63	36.07	36.22	36.34	36.00	3
4	34.47	34.38	52.61	34.81	34.77	46.90	39.34	36.59	35.96	36.23	36.44	36.11	4
5	34.37	34.39	45.94	34.75	34.71	46.02	39.24	36.71	35.74	36.21	36.53	36.18	5
6	34.38	34.32	41.50	34.66	34.66	49.31	39.15	36.70	35.58	36.12	36.49	36.36	6
7	34.38	34.31	39.49	34.62	34.73	57.03	38.94	36.58	35.66	36.08	36.49	36.47	7
8	34.34	34.30	38.36	34.61	35.73	56.99	38.86	36.60	35.74	36.18	36.54	36.49	8
9	34.28	34.31	37.65	34.68	39.87	55.26	38.69	36.72	35.77	36.21	36.62	36.33E	9
10	34.25	34.30	37.11	34.71	48.63	53.36	38.51	36.96	35.91	36.25	36.70	36.21E	10
11	34.29	34.32	36.60	34.76	54.35	51.35	38.03	37.06	36.14	36.18	36.75	36.09E	11
12	34.41	34.36	35.95	34.78	53.09	49.43	37.27	36.80	36.20	36.18	36.82	35.97E	12
13	34.60	34.37	35.48	34.75	51.83	47.61	36.91	36.54	36.15	36.15	36.74	35.85E	13
14	34.65	34.31	35.32	34.68	56.25	46.00	36.88	36.48	36.14	36.17	36.70	35.73E	14
15	34.61	34.35	35.20	34.56	57.67	44.65	36.91	36.43	36.30	36.18	36.62	35.61E	15
16	34.55	34.30	35.13	34.46	58.46	43.47	36.92	36.47	36.55	36.23	36.62	35.49E	16
17	34.46	34.29	35.03	34.39	57.82	42.45	36.69	36.48	36.72	36.37	36.61	35.36E	17
18	34.35	34.29	34.97	34.34	56.18	41.58	36.14	36.38	36.74	36.37	36.65	35.30	18
19	34.31	34.36	35.13	34.34	55.55	41.03	35.62	36.33	36.70	36.32	36.75	35.39	19
20	34.32	34.42	36.16	36.03	55.58	40.54	35.47	36.36	36.64	36.26	36.72	35.42	20
21	34.35	34.53	43.79	45.73	53.84	40.14	35.45	36.24	36.59	36.30	36.67	35.42	21
22	34.45	34.61	47.47	44.02	51.89	40.00	35.20	36.09	36.54	36.36	36.63	35.47	22
23	34.45	34.59	43.88	39.61	50.32	40.32	35.45	35.98	36.17	36.33	36.61	35.47	23
24	34.47	34.62	40.10	37.32	49.05	41.07	35.37	35.92	36.07	36.25	36.61	35.25	24
25	34.46	34.91	38.21	36.50	47.99	40.40	35.35	35.89	36.05	36.29	36.65	35.10	25
26	34.46	37.11	37.21	36.08	47.11	39.94	35.55	36.10	36.00	36.26	36.73	35.01	26
27	34.48	40.21	36.54	35.76	46.30	39.72	35.79	36.23	36.00	36.16	36.73	34.98	27
28	34.67	38.87	36.08	35.51	45.63	39.66	36.10	36.24	36.21	36.25	36.69	35.03	28
29	34.79	37.31	35.77	35.27		39.42	36.72	36.24	36.15	36.32	36.55	35.10	29
30	34.82	36.95	35.51	35.09		39.38	37.06	36.26	36.15	36.32	36.25	35.26	30
31	34.77		35.33	34.98		39.57		36.30		36.32	35.97		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	1200	56.45	2-11-62	0930	54.61	3- 3-62	1530	47.48			
12-22-61	1030	48.35	2-16-62	1930	58.61	3- 7-62	2030	57.66			
1-21-62	1630	47.37	2-20-62	0030	56.00						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 08 42	121 55 00	SE13 15N 1W		64.4	3/1/40	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Flow computed for irrigation season only.

8 - Irrigation season only

TABLE 245

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 PUMPING PLANT

STATION NO	WATER YEAR
A02320	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	30.3	29.6	32.0	30.2	29.8	41.3	34.9	31.1	30.9	30.5	30.7	30.4	1
2	30.3	29.6	38.4	30.1	29.8	41.2	34.9	30.8	30.8	30.5	30.7	30.3	2
3	29.7	29.6	49.9	29.9	29.8	42.5	34.8	30.8	30.5	30.6	30.7	30.5	3
4	29.5	29.5	49.3	29.7	29.7	42.7	34.7	30.8	30.4	30.3	30.7	30.7	4
5	29.3	29.5	43.8	29.7	29.6	42.3	34.7	30.8	30.3	30.5	30.9	31.0	5
6	29.3	29.5	37.8	29.6	29.6	41.8	34.5	30.9	29.9	30.5	31.0	31.2	6
7	29.1	29.5	35.6	29.6	29.7	50.3	34.5	30.8	29.9	30.4	30.9	31.4	7
8	29.2	29.5	34.0	29.5	29.9	51.3	34.4	30.8	30.0	30.4	30.9	31.5	8
9	29.2	29.5	33.3	29.6	33.6	50.4	34.4	31.0	30.0	30.5	31.0	31.3	9
10	29.3	29.4	32.5	29.5	41.0	49.3	34.3	30.9	30.0	30.5	31.1	31.1	10
11	29.4	29.4	31.8	29.6	49.4	47.9	33.8	31.5	30.3	30.4	31.1	30.8	11
12	29.4	29.5	30.6	29.7	49.1	46.6	32.9	31.5	30.4	30.5	31.2	30.7	12
13	29.4	29.5	30.4	29.6	47.6	44.6	32.0	31.1	30.4	30.5	31.3	30.7	13
14	29.6	29.4	30.2	29.5	50.2	42.7	31.8	31.0	30.2	30.5	31.2	30.5	14
15	29.6	29.3	30.1	29.4	51.3	41.1	31.8	31.0	30.5	30.5	31.1	30.5	15
16	29.6	29.3	30.1	29.4	51.8	39.7	31.8	31.0	30.8	30.5	31.0	30.6	16
17	29.6	29.4	30.0	29.4	51.8	38.6	31.7	31.0	31.0	30.7	31.0	30.6	17
18	29.4	29.4	29.9	29.3	50.8	37.1	31.0	31.0	31.1	30.7	31.1	30.3	18
19	29.3	29.4	29.9	29.2	50.1	36.9	30.1	30.9	31.1	30.7	31.2	30.4	19
20	29.2	29.4	29.4	29.4	50.5	36.0	29.8	31.0	31.0	30.6	31.2	30.5	20
21	29.3	29.4	36.7	30.6	49.6	35.5	29.6	30.9	30.9	30.6	31.2	30.5	21
22	29.4	29.7	38.3	42.7	48.3	35.2	29.2	30.7	30.8	30.7	31.2	30.5	22
23	29.4	29.7	36.6	38.5	47.1	35.1	29.2	30.5	30.5	30.7	31.1	30.6	23
24	29.4	31.4	34.2	33.3	45.9	35.4	28.9	30.4	30.3	30.6	31.1	30.4	24
25	29.4	31.0	33.9	31.9	44.6	35.7	29.2	30.3	30.3	30.5	31.2	30.3	25
26	29.4	33.9	32.8	31.5	43.5	36.2	29.3	30.5	30.3	30.7	31.3	30.2	26
27	29.4	35.9	31.9	31.1	42.7	35.0	29.5	30.8	30.3	30.5	31.4	30.1	27
28	29.6	35.8	31.3	30.9	41.8	35.0	29.9	30.8	30.4	30.5	31.3	30.1	28
29	29.6	35.0	30.9	30.5		34.8	30.2	30.8	30.5	30.6	31.3	30.2	29
30	29.6	33.2	30.6	30.2		34.5	31.2	30.8	30.5	30.7	31.0	30.3	30
31	29.7		30.3	30.0		34.8		30.9		30.7	30.7		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 04 08	121 51 43	NE16 14N 1E					25-DATE			0.00	USED

Staff located at district pumping plant, 1.7 mi. E. of Grimes. Gage read daily by pump operators.

TABLE 246

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT TISDALE WEIR

STATION NO	WATER YEAR
A02301	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	45.99	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	47.36	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	46.72	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	45.85	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	NR	47.57	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	NR	47.97	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	47.56	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	45.89	46.92	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	47.05	46.08	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	46.87	45.50	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	46.24	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	47.73	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	48.29	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	48.52	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	48.44	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	47.94	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	47.70	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	47.71	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	47.18	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	46.42	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	45.76	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	1500	47.57	2-20-62	0700	47.78						
2-11-62	1500	47.22	3- 8-62	0230	48.05						
2-17-62	0600	48.59									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		

See Tisdale Weir Spill to Sutter Bypass. Gage heights below weir crest (45.45 ft) are not tabulated.

TABLE 247

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER BELOW WILKINS SLOUGH

STATION NO	WATER YEAR
A02280	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	28.20	27.70	32.09	28.10	27.78	39.10	32.84	28.42	28.54	27.94	28.17	27.97	1
2	28.23	27.68	NR	27.95	27.71	39.18	32.77	28.15	28.40	28.04	28.17	27.95	2
3	27.88	27.47	46.77	27.80	27.68	40.67	32.64	28.06	28.12	28.00	28.22	28.18	3
4	27.46	27.30	45.83	27.66	27.63	41.02	32.68	27.96	27.98	27.97	28.26	28.45	4
5	27.22	27.30	40.78	27.58	27.57	40.10	32.68	28.16	27.74	27.96	28.42	28.72	5
6	27.20	27.26	36.01	27.52	27.52	41.10	32.60	28.27	27.33	27.87	28.39	29.05	6
7	27.20	27.21	33.42	27.46	27.59	47.01	32.47	28.25	27.34	27.83	28.33	29.25	7
8	27.16	27.21	32.03	27.38	28.06	47.50	32.37	28.39	27.36	27.85	28.39	29.30	8
9	27.13	27.22	31.10	27.47	31.79	47.06	32.29	28.59	27.37	27.96	28.44	29.18	9
10	27.12	27.23	30.41	27.47	40.20	46.45	32.00	28.77	27.39	27.97	28.54	28.95	10
11	27.12	27.22	29.84	27.52	46.51	45.73	31.66	29.26	27.68	27.87	28.64	28.70	11
12	27.21	27.23	29.16	27.59	46.40	44.26	30.74	29.19	27.79	27.83	28.75	28.61	12
13	27.45	27.27	28.50	27.57	45.77	42.30	30.07	28.85	27.74	27.86	28.78	28.60	13
14	27.46	27.23	28.25	27.52	47.25	40.44	29.82	28.76	27.70	27.88	28.64	28.39	14
15	27.44	27.22	28.11	27.41	47.89	38.84	29.79	28.75	27.97	27.92	28.54	28.39	15
16	27.38	27.19	28.00	27.30	48.19	37.50	29.81	28.73	28.30	27.98	28.46	28.45	16
17	27.31	27.17	27.92	27.23	48.10	36.37	29.46	28.85	28.52	28.14	28.50	28.33	17
18	27.28	27.17	27.82	27.18	47.50	35.36	28.59	28.79	28.56	28.17	28.54	28.13	18
19	27.19	27.21	27.93	27.19	47.23	34.54	27.54	28.66	28.53	28.11	28.67	28.22	19
20	27.15	27.31	28.46	27.82	47.24	33.92	27.09	28.68	28.47	28.02	28.70	28.32	20
21	27.18	27.40	NR	37.51	46.71	33.53	27.00	28.56	28.31	28.05	28.66	28.36	21
22	27.29	27.56	41.02	38.54	46.02	33.25	26.51	28.30	28.17	28.12	28.61	28.40	22
23	27.30	27.55	38.21	33.97	44.97	33.31	26.47	28.16	27.86	28.10	28.58	28.50	23
24	27.31	27.57	34.11	31.02	43.67	34.33	26.50	28.07	27.71	27.98	28.66	28.33	24
25	27.32	27.75	31.84	29.81	42.46	34.00	26.37	28.00	27.66	28.00	28.72	28.13	25
26	27.32	29.20	30.61	29.23	41.41	33.40	26.55	28.19	27.66	28.05	28.79	28.03	26
27	27.37	33.30	29.77	28.85	40.48	33.06	26.75	28.40	27.68	27.93	28.86	27.91	27
28	27.52	32.75	29.16	28.54	39.63	32.90	27.14	28.47	27.87	28.03	28.81	27.93	28
29	27.66	30.99	28.74	28.26		32.71	27.78	28.46	27.89	28.09	28.73	28.03	29
30	27.73	30.08	28.46	28.04		32.57	28.52	28.50	27.87	28.12	28.50	28.17	30
31	27.74		28.24	27.87		32.77		28.57		28.13	28.23		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 00 35	121 49 25	NE 2 13N 1E	28900	51.41	2/27/58	APR 31-OCT 38 8 JAN 39-DATE	AUG 31 - DATE	1931		0.00	USED

Station located 0.3 mi. below Wilkins Slough pumping plant of Reclamation District 108, 1.3 mi. below Tisdale Weir, 6 mi. SE of Orimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by U.S.G.S.

8 - Irrigation season only

TABLE 248

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER NEAR ROUGH AND READY BEND

STATION NO	WATER YEAR
402240	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	19.8	20.2	23.0	20.1	20.3	31.7	26.2	22.2	22.2	20.3	20.3	21.1	1
2	19.6	20.2	28.7	20.4	20.2	32.2	26.4	21.8	21.8	20.3	20.3	21.0	2
3	19.6	20.2	37.0	20.3	20.1	33.3	26.4	21.7	21.6	20.2	20.4	21.2	3
4	19.6	20.2	36.0	20.1	20.1	33.4	26.6	21.8	21.4	20.2	20.5	21.6	4
5	19.8	19.1	32.5	20.1	20.0	32.7	26.6	22.2	21.2	20.2	20.6	22.2	5
6	19.6	19.1	28.9	20.0	20.0	35.2	26.7	22.5	21.2	20.2	20.7	22.5	6
7	19.6	19.9	26.6	19.1	20.2	39.0	26.8	22.7	20.7	20.1	20.7	22.6	7
8	19.6	19.9	25.1	19.1	20.2	40.0	26.8	22.9	20.2	20.0	20.7	22.6	8
9	19.6	19.9	24.1	19.1	22.3	40.0	26.8	23.2	20.2	20.1	20.9	22.4	9
10	19.6	19.9	22.2	20.0	28.9	39.8	26.8	23.6	20.1	20.2	21.2	22.2	10
11	19.6	19.9	22.0	20.0	39.7	39.4	26.3	23.8	20.2	20.2	21.2	22.0	11
12	19.6	19.9	21.4	20.0	39.8	37.9	25.4	23.4	20.4	20.2	21.2	21.8	12
13	19.7	19.9	21.3	20.1	39.9	35.5	24.8	23.0	20.6	20.2	21.3	21.8	13
14	19.8	19.9	20.1	20.1	40.8	33.5	24.5	22.8	20.6	20.2	21.3	21.6	14
15	19.1	19.9	20.1	19.9	41.5	31.8	24.8	22.8	20.7	20.2	21.3	21.5	15
16	19.1	19.9	21.8	19.8	41.9	30.5	24.9	22.8	21.1	20.2	21.4	21.4	16
17	19.8	19.9	20.0	19.6	41.8	29.9	24.6	22.8	21.4	20.3	21.4	21.2	17
18	19.8	19.9	20.3	19.5	41.2	28.5	23.6	22.8	21.5	20.4	21.4	21.0	18
19	19.8	19.9	20.6	19.5	40.8	27.6	22.5	22.7	21.5	20.4	21.3	21.0	19
20	19.8	19.9	20.6	19.5	40.6	27.0	22.0	22.6	21.4	20.4	21.3	20.9	20
21	19.8	19.1	29.0	29.9	40.2	26.6	21.6	22.4	21.2	20.4	21.2	20.8	21
22	19.7	19.1	31.4	30.4	39.4	26.4	20.8	22.0	21.0	20.4	21.1	20.6	22
23	19.7	19.1	33.1	27.7	38.2	26.7	20.6	21.7	20.6	20.4	21.0	20.6	23
24	19.7	19.1	27.1	24.5	37.0	27.2	20.8	21.6	20.2	20.4	21.0	20.5	24
25	19.7	19.6	25.3	22.7	36.0	27.0	20.8	21.7	20.0	20.3	21.0	20.4	25
26	19.8	20.6	23.8	21.9	34.3	26.4	20.8	21.8	20.0	20.3	21.2	20.4	26
27	19.8	24.2	22.8	21.4	33.2	26.2	20.9	21.8	20.0	20.3	21.4	20.2	27
28	19.8	25.7	21.8	21.1	32.3	26.0	21.4	21.9	20.2	20.3	21.4	20.1	28
29	19.8	24.1	21.3	20.9		26.0	22.1	22.1	20.2	20.3	21.5	20.0	29
30	19.8	22.1	20.4	20.5		26.0	22.4	22.3	20.2	20.3	21.5	20.0	30
31	20.2		20.1	20.3		26.0		22.4		20.3	21.1		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 51 45	121 47 29	NE30 12N 2E					MAR 37-DATE	1937		0.00	USED

Staff located at Reclamation District 108 drainage pumping plant, 4.5 mi. E. of Robbins. Gage read twice daily during periods of pump operation and daily when pumps not in operation by pump operators.

TABLE 249

DAILY MEAN GAGE HEIGHT

COLUSA BASIN DRAIN AT HIGHWAY 20

STATION NO	WATER YEAR
A02976	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	39.14	39.03	41.97	38.06	37.87	39.69	40.76	41.36	40.80	40.62	41.20	43.70	1
2	39.21	38.99	45.58	38.06	37.86	39.44	41.12	41.46	40.51	40.67	41.15	44.04	2
3	39.16	39.20	45.92	38.04	37.84	39.22	41.24	41.78	40.25	40.61	41.25	44.28	3
4	38.96	39.24	45.35	38.05	37.85	38.99	41.02	42.19	40.15	40.85	41.56	44.52	4
5	39.03	39.22	44.60	38.02	37.83	38.95	40.58	42.72	40.21	41.01	41.69	44.92	5
6	38.97	39.20	42.88	38.00	37.87	42.83	40.50	43.08	40.37	40.97	42.05	44.97	6
7	38.72	39.03	41.19	38.20	37.92	45.95	40.29	43.26	40.14	40.88	42.22	45.24	7
8	38.42	38.74	40.23	38.56	38.04	45.35	40.25	43.44	39.83	40.89	42.44	45.31	8
9	38.42	38.72	39.79	38.88	39.36	44.51	40.17	43.78	39.81	40.96	42.59	44.90	9
10	38.50	39.11	39.46	38.85	40.85	43.00	40.15	43.63	39.73	40.88	42.51	44.08	10
11	38.62	39.21	39.27	38.79	40.06	41.13	39.41E	43.32	39.93	40.96	42.45	43.85	11
12	38.74	39.19	39.00	38.62	39.91E	40.02	39.04E	43.55	40.09	41.09	42.44	43.40	12
13	38.71	39.17	38.74	38.43	41.81E	39.60	38.95E	43.86	40.36	41.22	42.42	43.05	13
14	38.56	39.08	38.51	38.27	44.85	39.55	39.62	44.11	41.16	41.24	42.30	42.68	14
15	38.64	39.02	38.41	38.11	47.95	39.30	39.20E	44.45	41.85	41.14	42.17	41.84	15
16	38.75	39.03	38.39	38.05	48.69	39.08	39.19	44.74	41.83	41.03	42.16	41.29	16
17	38.86	38.91	38.38	38.03	48.89	39.11	39.05E	44.63	41.79	40.87	42.07	41.12	17
18	38.98	39.00	38.34	37.98	49.25	38.96	38.93E	44.24	41.80	40.67	41.94	41.01	18
19	39.04	39.29	38.34	38.01	49.46	38.77	38.87E	43.93	41.72	40.66	41.98	40.50E	19
20	39.14	39.58	38.33	38.35	49.25	38.57	38.90E	43.61	41.42	40.69	42.06	41.38E	20
21	39.21	39.80	38.35	38.07	49.00	38.43	39.01E	43.39	41.20	40.72	42.02	41.40E	21
22	39.14	39.74	38.33	37.77	48.52	38.37	38.94E	43.05	41.09	40.67	42.25	41.36E	22
23	39.22	39.74	38.23	37.95	47.43	38.36	39.14E	42.69	40.98	40.95	42.20	41.32E	23
24	39.23	39.72	38.22	37.91	45.49	38.24	39.49	42.58	40.81	41.02	42.03	41.29E	24
25	39.29	39.80	38.21	37.86	43.59	38.19	39.24E	42.55	41.06	41.05	42.15	40.76E	25
26	39.38	40.15	38.18	37.84	41.83	38.16	38.95E	42.75	41.36	40.96	42.22	40.60E	26
27	39.57	40.40	38.19	37.83	40.60	38.13	39.24E	42.95	41.15	41.24	42.25	40.20E	27
28	39.53	40.67	38.17	37.88	40.04	38.11	40.72	42.94	41.01	41.37	42.46	40.15E	28
29	39.38	40.23	38.12	37.88		38.10	40.79	42.61	40.91	41.52	42.62	40.21E	29
30	39.36	40.25	38.09	37.86		38.52	41.32	42.15	40.77	41.64	43.11	40.26E	30
31	39.18		38.06	37.85		39.63		41.43		41.42	43.36		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	0530	46.15	3- 7-62	1500	46.15	5-27-62	2330	43.08			
2-14-62	0700	44.68	5- 9-62	2130	43.86	6-15-62	1830	42.03			
2-19-62	0430	49.52	5-16-62	2330	44.83						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 44	122 03 34	NE34 16N 2W	25400E	51.93	2/21/58	JUN 24-DEC 40 δ MAY 41-DATE	JUN 24-DEC 40δ MAY 41-DATE	 1957	1957	37.09 0.00	USED USED

Station located at State Highway 20 bridge, 3.0 mi. W. of Colusa. Flow is return water in main drain of Reclamation District 2047, chiefly drainage from irrigation districts.

δ - Irrigation season only

TABLE 250

DAILY MEAN GAGE HEIGHT

COLUSA BASIN DRAIN NEAR COLLEGE CITY

STATION NO	WATER YEAR
A00180	1962

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	25.22	25.45	26.36	24.53	24.23	27.74	26.40	26.78	26.94	26.41	26.72	NR	1
2	25.31	25.40	29.38	24.51	24.31	27.29	26.95	26.80	26.51	26.36	26.57	NR	2
3	25.36	25.49	31.00	24.52	24.08	26.98	27.16	26.97	26.27	26.25	26.63	NR	3
4	25.18	25.58	31.09	24.49	24.03	26.69	27.15	27.38	26.01	26.21	26.86	NR	4
5	25.14	25.54	30.76	24.51	24.18	26.79	26.79	27.66	25.75	26.40	27.10	30.05	5
6	25.22	25.50	29.58	24.46	24.15	28.19	26.75	27.91	25.88	26.38	27.21	30.23	6
7	25.14	25.27	27.82	24.57	24.20	30.97	26.58	28.13	25.70	26.22	27.43	30.36	7
8	24.98	25.15	26.51	24.84	24.38	31.12	26.51	28.39	25.48	26.28	27.53	30.54	8
9	24.85	25.09	25.85	25.12	25.08	30.60	26.50	28.73	25.31	26.39	27.82	30.46	9
10	24.95	25.24	25.57	25.10	26.42	29.85	26.39	28.88	25.39	26.51	27.78	29.93	10
11	25.00	25.37	25.39	25.04	26.47	28.70	NR	28.65	25.47	26.43	27.74	29.54	11
12	25.19	25.43	25.25	24.97	27.07	27.53	NR	28.65	25.67	26.52	27.74	29.23	12
13	25.18	25.47	25.05	24.88	28.18	26.93	NR	28.96	25.76	26.65	27.70	28.85	13
14	24.99	25.46	24.91	24.76	30.22	26.74	NR	29.10	26.19	26.62	27.65	28.57	14
15	25.01	25.30	24.85	24.63	33.50	26.66	NR	29.32	26.91	26.57	27.52	28.00	15
16	25.12	25.21	24.81	24.56	33.71	26.48	NR	29.64	27.26	26.48	27.47	27.32	16
17	25.18	25.18	24.81	24.53	33.67	26.37	25.35	29.70	27.17	26.41	27.39	27.07	17
18	25.17	25.16	24.80	24.47	33.73	25.98	24.67	29.45	27.17	26.22	27.37	26.99	18
19	25.14	25.41	24.81	24.42	33.92	25.47	24.76	29.26	27.10	26.18	27.44	26.43	19
20	25.15	25.63	24.82	24.72	34.03	25.09	25.00	29.06	26.87	26.31	27.40	25.95	20
21	25.26	25.90	24.84	24.70	34.04	24.88	25.02	28.89	26.57	26.27	27.40	25.93	21
22	25.40	25.91	24.80	24.33	33.93	24.82	24.91	28.70	26.45	26.24	27.29	25.89	22
23	25.46	25.89	24.84	24.25	33.66	24.80	24.88	28.37	26.37	26.31	27.28	25.83	23
24	25.60	25.91	24.82	24.46	33.00	24.74	25.13	28.15	26.37	26.49	27.36	25.62	24
25	25.62	25.95	24.69	24.35	32.14	24.69	25.17	28.20	26.43	26.46	27.53	25.49	25
26	25.60	26.06	24.66	24.34	30.84	24.63	24.82	28.26	26.80	26.38	27.68	25.39	26
27	25.86	26.13	24.64	24.31	29.27	24.60	24.74	28.43	26.80	26.54	27.64	25.37	27
28	25.85	26.58	24.63	24.29	28.25	24.57	25.66	28.55	26.62	26.69	NR	25.42	28
29	25.74	26.19	24.59	24.29		24.51	26.12	28.36	26.39	26.86	NR	25.72	29
30	25.66	26.00	24.55	24.29		24.58	26.48	28.07	26.40	27.00	NR	25.88	30
31	25.65		24.53	24.26		25.31		27.58		26.94	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 3-61	2030	31.29	3- 8-62	0000	31.34	5-17-62	0600	29.78			
2-16-62	1215	33.74	4- 4-62	0730	27.19	5-28-62	0530	28.56			
2-21-62	0015	34.04	5-10-62	0600	28.90	6-16-62	0130	27.37			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 00 38	121 58 38	NE 4 13N 1W				OCT 44-APR 52 MAR 54-FEB 58	OCT 44-APR 52 MAR 54-FEB 58 JUN 58-DATE	1957	1957	-0.34 0.00	USED USED

Station located 0.1 mi. below highway bridge, 1.7 mi. E. of College City. Flow is drainage chiefly from lands irrigated by Glenn-Colusa, Provident, Princeton-Codora-Glenn, Compton-Delevan, and Maxwell Irrigation Districts. Backwater from Knights Landing Outfall Gates at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge. Results of measurements listed in supplementary table in report.

TABLE 251
DAILY MEAN GAGE HEIGHT

COLUSA BASIN DRAIN AT KNIGHTS LANDING

STATION NO	WATER YEAR
A02945	1962

DATE	OCT	NOV	DEC.	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	21.12	22.77	21.70	22.43	19.90	26.88	23.56	24.38	24.23	24.59	24.40	24.67	1
2	21.31	22.65	24.02	22.64	19.88	26.71	23.97	24.20	24.22	24.53	24.45	24.64	2
3	22.17	22.56	27.61	22.79	19.95	26.45	24.20	24.49	24.30	24.51	24.53	24.60	3
4	22.47	22.61	28.30	22.90	19.80	26.32	24.31	24.56	24.29	24.42	24.49	24.55	4
5	22.61	22.63	28.28	22.36	19.76	26.21	24.42	24.53	24.41	24.46	24.57	24.04	5
6	22.73	22.57	26.87	20.95	19.81	26.67	24.59	24.51	24.39	24.51	24.55	24.02	6
7	22.93	22.53	25.13	20.38	19.68	27.97	24.80	24.56	24.34	24.33	24.54	24.18	7
8	22.83	22.36	23.51	20.47	20.00	28.22	24.92	24.49	24.25	24.36	24.54	24.36	8
9	22.64	22.17	22.33	20.66	20.54	28.11	25.06	24.58	24.27	24.47	24.58	24.43	9
10	22.51	22.05	21.69	20.92	23.07	27.85	25.17	24.50	24.42	24.52	24.51	24.28	10
11	22.48	22.09	21.31	20.85	25.08	27.37	25.01	24.36	24.55	24.42	24.44	23.93	11
12	22.61	22.25	21.09	20.87	26.36	26.79	24.37	24.21	24.61	24.41	24.56	23.66	12
13	22.72	22.28	20.90	20.83	26.76	26.40	23.69	24.39	24.45	24.54	24.51	23.39	13
14	22.76	22.33	20.98	20.68	27.66	26.28	23.99	24.45	24.45	24.39	24.44	23.20	14
15	22.71	22.42	21.67	20.59	29.43	26.19	24.38	24.52	24.65	24.36	24.39	23.22	15
16	22.70	22.35	22.06	20.41	30.36	26.13	24.18	24.58	24.74	24.42	24.33	23.27	16
17	22.76	22.18	22.47	20.29	30.61	26.04	24.01	24.50	24.55	24.49	24.35	23.38	17
18	22.80	22.08	22.99	20.16	30.46	25.55	23.68	24.53	24.42	24.30	24.50	23.58	18
19	22.81	22.12	23.42	19.90	30.38	24.74	23.82	24.36	24.34	24.44	24.60	23.50	19
20	22.79	22.31	23.79	20.40	30.28	24.08	24.28	24.20	24.28	24.53	24.57	23.22	20
21	22.82	22.57	23.63	21.39	30.29	23.61	24.25	24.38	24.22	24.50	24.56	23.76	21
22	22.86	22.85	23.80	22.15	30.24	23.26	24.10	24.43	24.30	24.42	24.53	24.05	22
23	23.09	23.05	24.33	22.08	30.16	23.35	24.18	24.26	24.44	24.44	24.43	24.08	23
24	23.26	23.11	23.77	21.32	29.98	23.76	24.47	24.28	24.40	24.59	24.39	23.89	24
25	23.29	23.20	22.00	20.57	29.59	23.83	24.43	24.61	24.51	24.49	24.50	23.81	25
26	23.04	23.30	21.01	20.25	29.12	23.40	24.27	24.54	24.60	24.44	24.62	23.91	26
27	22.90	23.05	20.59	20.14	28.02	23.02	24.09	24.51	24.58	24.46	24.60	23.95	27
28	23.03	22.34	20.80	20.04	27.22	22.93	24.31	24.56	24.46	24.56	24.53	23.96	28
29	23.05	22.03	21.60	20.00		22.90	24.27	24.39	24.27	24.56	24.56	24.05	29
30	22.93	21.75	21.93	19.97		22.95	24.40	24.37	24.50	24.57	24.62	24.18	30
31	22.86		22.18	19.94		23.17		24.30		24.52	24.64		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 5-61	1400	28.35	1-22-62	0700	22.20	4-10-62	1200	25.24			
12-24-61	0015	24.60	2-17-62	1230	30.62						
1- 5-62	0945	23.08	3- 8-62	1200	28.25						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 & JAN 40-DATE	MAY 24-OCT 39& JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W. of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento, combine with flows of Reclamation District 787 to Colusa Basin Drain. Maximum gage height listed does not indicate maximum discharge.

& - Irrigation season only

TABLE 252

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT KNIGHTS LANDING

STATION NO	WATER YEAR
A02200	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.87	16.51	19.93	17.07	16.73	27.52	23.09	19.86	19.63	16.73	16.87	17.77	1
2	16.72	16.45	23.86	16.92	16.70	27.72	23.38	19.54	19.28	16.79	16.88	17.96	2
3	16.41	16.37	30.54	16.70	16.64	29.15	23.54	19.32	19.11	16.71	16.79	18.22	3
4	16.10	16.29	31.00	16.55	16.60	29.27	23.66	19.62	18.86	16.68	16.84	18.41	4
5	15.88	16.24	28.86	16.70	16.47	28.43	23.82	20.15	18.44	16.67	17.10	18.84	5
6	15.78	16.20	25.98	16.74	16.43	28.58	24.03	20.67	17.78	16.64	17.20	19.23	6
7	15.83	16.11	23.90	16.59	16.64	33.38	24.29	20.89	17.33	16.45	17.16	19.48	7
8	15.81	16.07	22.74	16.51	17.02	35.12	24.44	21.03	17.25	16.40	17.28	19.55	8
9	15.82	16.04	20.85	16.58	19.66	35.75	24.61	21.29	17.22	16.51	17.37	19.56	9
10	15.76	16.05	19.93	16.69	28.83	35.77	24.72	21.65	17.16	16.53	17.59	19.26	10
11	15.73	16.03	19.21	16.63	36.28E	35.29	24.52	21.82	17.37	16.55	17.69	18.87	11
12	15.79	16.05	18.51	16.74	36.54E	34.29	23.83	21.38	17.63	16.44	17.79	18.67	12
13	15.97	16.08	17.93	16.71	36.06	32.39	22.94	20.89	17.60	16.48	17.80	18.68	13
14	16.09	16.10	17.43	16.60	36.76	30.39	22.58	20.60	17.54	16.59	17.73	18.53	14
15	16.10	16.12	17.18	16.45	37.43	28.58	22.93	20.49	17.74	16.61	17.68	18.34	15
16	16.04	16.10	17.02	16.33	37.94	27.18	23.39	20.41	18.40	16.61	17.48	18.22	16
17	15.98	16.09	16.93	16.22	38.01	26.06	23.21	20.58	18.56	16.63	17.46	17.95	17
18	15.92	16.08	16.87	16.14	37.61	25.16	22.40	20.60	18.62	16.73	17.39	17.65	18
19	15.92	16.12	16.86	16.05	37.08	24.29	21.26	20.38	18.57	16.67	17.57	17.58	19
20	15.81	16.22	17.04	16.95	36.82	23.63	20.63	20.39	18.38	16.59	17.66	17.59	20
21	15.83	16.37	20.46	22.73	36.50	23.20	20.25	19.94	18.22	16.58	17.63	17.45	21
22	15.89	16.54	26.05	25.63	35.95	22.83	19.44	19.53	17.93	16.68	17.60	17.40	22
23	15.98	16.59	25.99	22.80	35.10	23.07	18.83	19.32	17.68	16.70	17.54	17.55	23
24	16.01	16.68	23.31	20.25	33.73	23.53	19.00	19.38	17.16	16.60	17.54	17.43	24
25	16.14	16.75	21.11	18.81	32.19	23.47	19.28	19.31	16.74	16.67	17.62	17.22	25
26	16.20	17.31	19.59	18.08	30.73	22.92	19.37	19.17	16.71	16.76	17.82	17.03	26
27	16.19	20.13	18.68	17.65	29.40	22.58	19.07	19.25	16.91	16.59	17.88	16.82	27
28	16.30	21.17	18.01	17.35	28.24	22.54	19.20	19.25	17.05	16.59	17.90	16.75	28
29	16.43	20.10	17.52	17.08		22.53	20.41	19.36	16.86	16.73	17.94	16.82	29
30	16.50	19.17	17.40	16.86		22.60	20.33	19.69	16.67	16.86	17.89	17.00	30
31	16.54		17.22	16.75		22.77		19.75		16.83	17.86		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-28-61	0200	21.43	1-22-62	0630	26.11						
12- 4-61	0700	31.47	2-17-62	0630	38.10						
12-22-61	2200	27.01	3-10-62	0700	35.90						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 48 10	121 42 55	NE14 11N 2E	29600	41.83	2/22/58	JUL 19-OCT 38 ϑ JAN 39-DATE	JUL 19-DATE	1921		0.00 -3.02	USED USCGS

Station located just above the Southern Pacific Railroad bridge, 13.1 mi. above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by U.S.G.S. Maximum gage height listed does not necessarily indicate maximum discharge.

ϑ - Irrigation season only

TABLE 253
DAILY MEAN GAGE HEIGHT

BUTTE SLOUGH AT MAWSON BRIDGE

STATION NO	WATER YEAR
A02971	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	38.78	40.49	41.61	39.82	39.50	47.20	42.44	42.06	42.32	42.49	42.04	42.21	1
2	38.84	40.53	44.67	39.73	39.39	47.16	42.23	41.90	41.98	42.45	42.10	42.36	2
3	38.77	40.54	47.15	39.54	39.38	47.43	42.07	41.93	42.25	42.45	42.26	42.33	3
4	38.74	40.53	50.43	39.41	39.36	47.41	41.99	42.21	41.98	42.33	42.35	42.24	4
5	38.79	40.52	49.55	39.38	39.34	47.11	41.89	42.18	41.68	42.19	42.17	42.16	5
6	38.79	40.54	47.58	39.37	39.33	47.16	41.81	42.03	41.93	42.23	42.22	42.44	6
7	38.78	40.44	46.01	39.37	39.37	49.16	41.71	42.25	41.86	42.24	42.36	42.59	7
8	38.78	40.41	44.87	39.47	39.71	54.07	41.61	42.42	42.15	42.27	42.22	42.19	8
9	38.67	40.50	43.84	40.11	42.15	54.02	41.51	42.32	42.13	42.32	42.14	42.15	9
10	38.60	40.71	42.86	40.38	45.66	52.81	41.44	42.58	42.12	42.30	42.25	42.19	10
11	38.75	40.79	41.92	40.57	46.66	51.67	41.30	42.28	42.07	42.20	42.40	42.20	11
12	38.85	40.85	41.59	40.73	47.00	50.63	40.86	42.14	42.20	42.37	42.30	42.23	12
13	38.95	40.95	42.62	40.61	47.26	49.42	40.59	42.10	41.92	42.55	42.03	42.25	13
14	39.36	40.94	42.63	40.42	48.63	48.20	40.62	42.44	41.88	42.26	42.21	42.16	14
15	39.62	40.93	42.42	40.19	54.69	47.23	40.66	42.68	41.93	42.05	42.21	42.13	15
16	39.78	41.00	42.24	40.03	57.02	46.44	41.20	42.76	42.29	42.31	42.25	41.87	16
17	40.00	41.00	41.99	39.92	58.00	45.78	41.24	42.62	42.43	42.45	42.36	41.65	17
18	40.19	40.91	41.74	39.82	56.76	45.19	40.66	42.76	42.57	42.38	42.37	40.88	18
19	40.28	40.88	41.59	39.80	55.25	44.64	41.03	42.77	42.58	42.26	41.68	40.40	19
20	40.17	40.98	41.32	40.24	54.38	44.15	41.20	42.50	42.54	42.21	42.06	40.29	20
21	40.15	41.28	43.29	44.29	53.46	43.70	41.24	42.57	42.46	42.14	41.93	40.38	21
22	40.28	41.56	44.90	44.99	52.42	43.32	41.33	42.66	42.14	42.11	41.82	40.54	22
23	40.35	41.81	44.59	42.75	51.55	43.33	41.14	42.46	42.22	42.13	42.21	40.39	23
24	40.37	41.96	42.55	41.17	50.67	43.80	40.76	42.25	42.45	42.20	42.31	40.07	24
25	40.37	42.04	41.29	40.62	49.81	43.37	41.00	42.44	42.45	42.27	42.26	39.63	25
26	40.32	42.36	40.73	40.31	49.06	43.05	41.44	42.64	42.46	42.28	42.25	39.35	26
27	40.40	42.63	40.41	40.09	48.22	42.79	41.33	42.74	42.42	42.27	42.23	39.22	27
28	40.44	41.62	40.21	39.95	47.61	42.66	41.17	42.76	42.34	42.28	42.30	39.25	28
29	40.49	40.63	40.10	39.81		42.46	41.59	42.71	42.67	42.26	42.31	39.39	29
30	40.50	40.20	39.96	39.68		42.38	42.20	42.73	42.65	42.22	42.12	39.42	30
31	40.46		39.88	39.58		42.56		42.67		42.13	41.99		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-27-61	0930	42.93	1-22-62	0145	45.37	3- 9-62	0430	54.41			
12- 4-61	1430	50.73	2-17-62	0715	58.22	3-24-62	1300	43.40			
12-22-61	2100	45.02	3- 8-62	1930	54.39						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 14	121 54 28	SW31 16N 1E		68.9	3/1/40	JAN 39 - DATE	NOV 34-MAY 37# OCT 37-DATE	1934		0.00	USED

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N. of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs.

- Flood season only

TABLE 254

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT LONG BRIDGE

STATION NO	WATER YEAR
A05935	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	36.79	36.78	41.72	36.84	40.41	40.49	41.22	40.86	40.61	1
2	NR	NR	37.74	36.80	36.81	41.59	36.78	40.36	40.38	41.07	40.87	40.71	2
3	NR	NR	39.35	36.79	36.82	41.79	36.78	40.40	40.48	41.07	40.98	40.68	3
4	NR	NR	42.91	36.79	36.83	41.83	37.17	40.50	40.50	41.02	40.96	40.66	4
5	NR	NR	43.29	36.80	36.83	41.65	38.17	40.55	40.34	40.98	40.91	40.60	5
6	NR	NR	42.13	36.79	36.82	41.61	38.35	40.49	40.50	40.91	41.03	40.70	6
7	NR	NR	40.72	36.78	36.81	42.50	38.44	40.58	40.43	40.88	40.91	40.79	7
8	NR	NR	39.39	36.77	36.82	45.75	38.41	40.64	40.56	40.90	40.81	40.63	8
9	NR	NR	38.18	36.75	36.84	45.91	38.39	40.59	40.56	40.92	40.86	40.58	9
10	NR	NR	37.46	36.76	38.36	45.31	38.36	40.63	40.52	40.93	40.93	40.57	10
11	NR	NR	37.13	36.76	40.59	44.71	38.30	40.54	40.55	40.89	40.75	40.56	11
12	NR	NR	36.81	36.77	41.05	44.15	37.93	40.51	40.63	40.96	40.71	40.64	12
13	NR	NR	37.22	36.76	41.29	43.45	38.18	40.50	40.55	41.06	40.83	40.41	13
14	NR	NR	37.41	36.77	41.85	42.67	38.87	40.63	40.53	41.13	40.83	40.18	14
15	NR	NR	37.34	36.77	45.76	41.88	38.87	40.73	40.43	41.13	40.87	40.15	15
16	NR	NR	37.24	36.76	47.69	41.16	39.11	40.76	40.67	40.98	40.83	40.02	16
17	NR	NR	37.15	36.76	48.59	40.46	39.33	40.71	40.70	40.90	40.51	39.67	17
18	NR	NR	37.02	36.77	47.90	39.70	39.46	40.75	40.76	40.92	40.68	39.47	18
19	NR	NR	36.90	36.77	46.84	38.82	39.71	40.74	40.75	40.95	40.60	37.76	19
20	NR	NR	36.93	36.76	46.27	38.14	39.81	40.64	40.84	40.95	40.73	37.35	20
21	NR	NR	37.43	37.60	45.68	37.69	39.85	40.68	40.87	40.91	40.87	37.15	21
22	NR	NR	38.38	38.62	45.11	37.42	39.85	40.73	40.95	40.89	40.82	37.02	22
23	NR	NR	38.58	37.53	44.60	37.30	39.84	40.64	41.11	40.92	40.83	36.97	23
24	NR	36.95	37.78	36.79	44.12	37.50	39.70	40.56	41.22	40.94	40.85E	36.95	24
25	NR	36.99	36.99	36.77	43.57	37.40	39.82	40.64	41.24	40.95	40.85E	36.78	25
26	NR	37.10	36.79	36.78	43.09	37.19	40.14	40.72	41.23	40.94	40.85E	36.79	26
27	NR	37.27	36.78	36.77	42.57	37.07	40.10	40.76	41.23	40.93	40.85E	36.80	27
28	NR	NR	36.78	36.77	42.05	36.96	39.99	40.70	41.20	40.96	40.83	36.81	28
29	NR	NR	36.79	36.77		36.88	40.17	40.63	41.23	40.97	40.83	36.79	29
30	NR	NR	36.79	36.77		36.80	40.42	40.64	41.24	40.96	40.75	36.77	30
31	NR		36.79	36.77		36.83		40.62		40.92	40.52		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	2330	43.68	3- 4-62	0200	41.85						
1-22-62	1700	39.07	3- 8-62	2100	46.09						
2-17-62	1130	48.66	3- 9-62	0500	46.09						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
			OF RECORD					PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	FROM	TO	ZERO ON GAGE	REF. DATUM
39 08 46	121 50 31	SE15 15N 1E		57.7	3/1/40		14-DATE			0.00	USED

Station located on west levee, 0.2 mi. N. of State Highway 20, 3.9 mi. E. of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel and have not been listed.

TABLE 255

DAILY MEAN GAGE HEIGHT

WADSWORTH CANAL NEAR SUTTER

STATION NO	WATER YEAR
A05929	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	40.11	39.98	39.19	38.81	38.34	39.59	39.59	40.26	40.12	40.58	40.24	41.47	1
2	40.19	40.10	40.13	38.78	38.35	39.66	39.89	39.93	39.91	40.78	40.01	41.30	2
3	40.14	40.33	40.11	38.75	38.36	39.52	39.92	39.70	40.09	40.51	40.23	41.50	3
4	40.19	40.16	39.55	38.65	38.36	39.44	40.31	40.01	40.15	40.63	40.47	41.99	4
5	40.20	39.95	39.38	38.60	38.35	39.45	40.57	40.13	40.20	40.67	40.64	41.53	5
6	40.36	39.87	39.20	38.46	38.36	41.67	40.47	40.45	39.89	40.31	40.70	41.61	6
7	40.41	39.88	39.10	38.49	38.39	41.20	40.13	40.71	39.79	40.39	40.44	41.73	7
8	40.24	39.78	39.03	38.77	38.65	41.78	39.73	40.64	39.68	40.07	40.58	41.92	8
9	40.16	39.60	38.93	38.67	41.21	42.72	40.05	41.18	39.90	40.09	40.46	41.76	9
10	40.15	39.77	38.93	38.58	40.41	42.16	39.82	40.94	40.18	39.88	40.53	41.87	10
11	40.26	39.74	38.87	38.50	39.70	41.43	39.55	40.74	40.46	39.92	40.69	41.73	11
12	40.21	39.71	38.86	38.48	39.55	40.59	40.30	40.68	40.24	40.22	40.86	41.38	12
13	39.81	39.66	39.12	38.46	43.51	39.77	40.19	41.28	40.00	40.56	40.85	41.14	13
14	39.66	39.37	39.22	38.42	44.32	39.42	39.88	41.62	40.20	40.76	40.70	41.10	14
15	39.53	39.04	39.19	38.40	46.11	39.34	39.31	41.87	40.41	40.79	40.63	41.09	15
16	39.42	38.92	39.15	38.40	46.11	39.28	39.28	41.96	40.31	40.69	40.74	41.30	16
17	39.45	38.93	39.14	38.51	46.30	39.24	39.34	42.10	40.33	40.56	40.77	41.30	17
18	39.67	38.90	39.11	38.74	45.55	39.18	38.49	41.88	40.44	40.47	40.45	40.98	18
19	39.86	38.87	39.09	38.91	44.53	39.14	39.00	41.61	40.33	40.21	40.51	40.68	19
20	39.95	38.92	39.10	38.83	43.47	39.10	39.43	41.43	40.33	40.38	40.50	40.46	20
21	39.85	39.02	39.16	39.30	42.80	38.77	39.84	41.01	40.16	40.49	40.34	40.37	21
22	39.76	39.08	39.35	39.04	42.11	39.06	39.87	40.70	40.16	40.65	40.35	40.46	22
23	39.94	39.11	39.16	38.40	41.52	39.27	39.72	40.89	40.10	40.51	40.31	40.56	23
24	39.80	39.19	38.97	38.38	40.79	39.24	39.39	40.90	40.22	40.40	40.75	40.59	24
25	39.82	39.21	38.85	38.39	40.13	39.26	39.11	40.88	40.30	40.14	40.54	40.26	25
26	39.89	39.28	38.80	38.38	39.77	39.32	38.64	41.01	40.18	40.07	40.64	40.17	26
27	39.95	39.22	38.83	38.36	39.63	39.32	39.06	41.25	40.20	39.99	40.90	40.17	27
28	40.07	39.01	38.85	38.35	39.57	39.29	39.76	41.03	39.92	39.90	41.06	40.36	28
29	40.11	38.99	38.89	38.34		39.46	39.94	40.69	39.82	40.25	41.21	40.47	29
30	40.03	38.77	38.86	38.34		39.43	40.25	40.47	39.95	40.04	41.32	40.24	30
31	39.93		38.81	38.33		39.49		40.45		40.12	41.58		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E				MAR 61-DATE	MAR 61-DATE				

Station located on downstream side of South Butte Road bridge, 0.9 mi. E. of Sutter. Tributary to Sutter Bypass. Maximum gage height listed does not necessarily indicate maximum discharge. This station and one 2.2 mi. downstream are used to determine slope for slope rating of canal.

TABLE 256

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT STATE PUMPING PLANT 3

STATION NO	WATER YEAR
A05925	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	37.9	38.9	38.0	38.6	37.6	35.7	33.4	38.5	38.4	38.7	38.6	38.5	1
2	37.9	38.9	37.9	38.6	37.7	35.6	33.9	38.4	38.5	38.8	38.5	38.5	2
3	37.9	38.9	37.9	38.5	37.7	35.7	35.8	38.4	38.4	38.6	38.5	38.5	3
4	37.9	38.9	38.6	38.5	37.7	35.7	38.0	38.5	38.5	38.6	38.5	38.7	4
5	37.9	38.9	38.5	38.2	37.7	35.6	38.1	38.6	38.5	38.6	38.5	38.7	5
6	38.0	38.9	38.6	36.9	37.8	35.8	38.1	38.6	38.4	38.5	38.6	38.6	6
7	38.3	38.9	36.4	36.8	37.5	36.7	38.1	38.7	38.4	38.4	38.5	38.6	7
8	38.3	38.9	33.4	36.9	36.5	41.6	38.0	38.7	38.5	38.5	38.5	38.5	8
9	38.3	38.9	33.0	37.0	36.4	43.1	38.0	38.7	38.7	38.5	38.5	38.5	9
10	38.3	38.9	32.5	37.1	36.0	42.4	37.9	38.7	38.6	38.5	38.6	38.5	10
11	38.4	38.9	34.0	37.0	36.4	41.6	37.9	38.6	38.7	38.5	38.6	38.6	11
12	38.4	38.9	37.5	37.0	37.0	40.9	38.0	38.5	38.5	38.5	38.7	38.5	12
13	38.4	38.9	38.8	37.0	38.0	39.3	38.3	38.5	38.4	38.6	38.5	38.2	13
14	38.4	38.9	39.0	37.0	39.4	37.4	38.1	38.6	38.3	38.6	38.5	38.1	14
15	38.4	38.9	39.0	38.0	42.8	35.8	38.0	38.6	38.4	38.6	38.5	38.1	15
16	38.4	38.8	39.0	37.2	45.1	35.0	37.9	38.6	38.5	38.6	38.5	38.1	16
17	38.4	38.8	38.9	38.2	46.3	33.7	38.0	38.6	38.5	38.6	38.5	38.1	17
18	38.6	38.8	38.9	38.6	45.5	33.4	38.2	38.6	38.5	38.5	38.5	38.0	18
19	38.8	38.8	38.8	38.8	44.3	33.4	38.3	38.6	38.5	38.5	38.6	38.0	19
20	38.8	38.8	38.8	38.9	43.6	33.4	38.4	38.5	38.5	38.5	38.5	38.0	20
21	38.8	38.8	39.0	39.4	42.9	33.4	38.6	38.5	38.3	38.5	38.6	38.0	21
22	38.8	38.8	39.2	39.0	42.2	33.4	38.5	38.5	38.4	38.4	38.5	38.0	22
23	38.8	38.8	39.0	38.1	41.6	33.4	38.4	38.5	38.3	38.5	38.4	38.0	23
24	38.8	38.8	38.8	37.5	40.5	33.4	38.4	38.5	38.3	38.5	38.4	38.0	24
25	38.8	38.9	38.5	37.4	39.1	33.4	38.4	38.5	38.4	38.5	38.6	38.0	25
26	38.8	39.1	38.4	37.4	38.1	33.4	38.4	38.5	38.5	38.4	38.5	37.9	26
27	38.8	39.0	38.6	37.3	37.2	33.4	38.5	38.6	38.5	38.5	38.5	37.9	27
28	38.8	38.8	38.5	37.3	36.5	33.4	38.7	38.6	38.5	38.5	38.6	38.1	28
29	38.8	38.4	38.7	37.3		33.4	38.6	38.4	38.5	38.5	38.6	38.0	29
30	38.8	37.9	38.6	37.2		33.4	38.7	38.4	38.5	38.6	38.5	37.9	30
31	38.8		38.6	37.1		33.4		38.4		38.6	38.5		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 07 15	121 46 40	SW29 15N 2E					20-DATE	1920		0.00	USED

Staff located on east levee, 0.7 mi. above Wadsworth Canal, 3.0 mi. SW of Sutter. Gage read twice daily by pump operators.

TABLE 257

DAILY MEAN GAGE HEIGHT

TISDALE BYPASS AT RECLAMATION DISTRICT 1660 PUMPING PLANT

STATION NO	WATER YEAR
A02308	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	22.11	22.30	23.96	22.31	21.90	32.38	24.39	23.14	24.28	23.14	23.54	23.82	1
2	22.08	22.30	23.68	22.26	21.90	31.90	24.54	23.20	23.88	23.18	23.46	23.85	2
3	22.04	22.28	36.32	22.16	21.84	31.42	24.50	23.42	23.77	23.62	23.20	23.88	3
4	22.02	22.28	36.40	22.10	21.84	31.76	24.16	23.64	23.66	23.72	23.18	23.92	4
5	22.18	22.27	33.08	22.10	21.84	31.22	24.10	23.96	23.22	23.82	23.19	24.08	5
6	22.16	22.26	32.96	22.40	21.80	31.76	24.24	24.13	23.26	23.76	23.20	24.12	6
7	22.14	22.26	32.54	22.97	21.76	36.80	24.28	24.30	23.00	23.40	23.30	24.10	7
8	22.12	22.26	31.70	23.54	21.84	38.80	24.34	24.54	23.12	23.40	23.68	24.58	8
9	22.10	22.26	30.40	23.28	22.00	38.78	24.40	24.74	23.10	23.20	23.60	24.73	9
10	22.10	22.28	27.00	22.60	23.14	37.90	24.60	24.78	23.14	23.68	23.34	24.88	10
11	22.14	22.28	24.60	22.24	35.08	36.30	24.40	24.90	23.18	23.22	23.08	24.74	11
12	22.14	22.28	23.66	22.14	36.76	35.00	24.18	24.76	23.14	23.30	23.29	24.62	12
13	22.10	22.28	23.00	22.14	35.50	34.10	23.40	24.80	23.12	23.42	23.50	24.52	13
14	22.10	22.30	22.90	22.10	37.40	33.54	22.76	24.84	23.10	23.80	23.76	24.38	14
15	22.10	22.32	23.00	22.06	39.76	33.00	22.94	25.00	23.10	23.60	23.58	24.26	15
16	22.10	22.32	23.08	22.02	41.62	32.42	23.12	25.10	23.56	23.30	23.50	24.08	16
17	22.10	22.32	23.04	22.00	43.08	31.80	23.18	25.28	23.64	23.34	23.46	23.90	17
18	22.10	22.34	23.00	21.96	42.36	30.90	23.32	25.18	23.72	23.40	23.48	23.88	18
19	22.10	22.40	23.10	21.96	40.74	29.70	22.88	25.00	23.76	23.14	23.30	23.86	19
20	22.10	22.46	22.96	22.36	40.20	28.24	22.72	25.99	23.48	23.06	23.12	23.00	20
21	22.10	22.74	22.94	22.82	38.78	27.12	22.68	24.98	23.74	23.20	23.48	22.70	21
22	22.10	22.72	23.06	23.28	37.16	26.32	22.72	24.72	23.64	23.25	23.30	22.50	22
23	22.10	22.76	23.17	25.40	35.62	25.84	22.76	24.68	23.28	23.30	23.30	22.45	23
24	22.10	22.80	23.28	25.44	34.72	25.46	22.76	24.64	23.38	23.00	23.36	22.40	24
25	22.10	23.00	23.39	23.82	34.12	25.39	22.94	24.62	23.48	23.24	23.44	22.34	25
26	22.10	23.42	23.50	22.64	33.60	25.32	22.66	24.60	23.46	23.02	23.50	22.28	26
27	22.12	23.84	22.90	22.14	33.16	25.04	22.60	24.79	22.88	23.40	23.56	22.26	27
28	22.42	23.90	22.60	22.04	32.82	24.72	22.54	24.98	22.76	23.46	23.62	22.24	28
29	22.37	23.76	22.44	21.94		24.48	22.57	25.08	23.04	23.55	23.68	22.20	29
30	22.32	23.66	22.39	21.92		24.28	22.60	25.00	23.10	23.64	23.52	22.18	30
31	22.28		22.35	21.90		24.24		24.78		23.58	23.78		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 44	121 46 53	SE30 14N 2E					JAN 25-DATE			0.00	USED

Staff located on north levee at district drainage pumping plant, 2.1 mi. E. of Tisdale Weir, 6.8 mi. SE of Grimes. Gage read twice daily by pump operators.

TABLE 258

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT STATE PUMPING PLANT 2

STATION NO	WATER YEAR
A05920	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	27.4	28.7	26.2	28.0	27.5	32.4	27.9	30.0	29.0	29.5	29.7	29.4	1
2	27.4	28.6	27.6	28.1	27.0	32.3	27.9	29.8	28.6	29.8	29.6	29.4	2
3	28.0	28.5	29.2	27.5	26.7	32.2	27.4	29.8	28.8	30.1	29.7	29.4	3
4	28.4	28.5	33.6	27.5	26.5	32.2	27.1	29.7	29.0	29.9	29.9	29.6	4
5	28.6	28.5	33.2	27.4	26.4	32.1	27.4	29.9	29.2	29.7	30.0	29.4	5
6	28.6	28.5	32.9	27.2	26.0	32.4	27.6	29.7	29.1	29.7	30.0	29.0	6
7	28.4	28.4	32.3	26.6	26.2	33.6	27.8	29.9	29.0	29.8	29.8	29.0	7
8	28.4	28.4	31.6	26.1	25.8	36.0	27.8	29.7	28.8	29.9	29.5	28.5	8
9	28.3	28.3	30.4	25.7	27.1	37.3	27.8	29.7	28.9	30.0	29.6	28.6	9
10	28.3	28.3	28.8	26.0	29.2	37.0	27.9	29.8	29.3	29.5	29.6	28.6	10
11	28.3	28.4	27.5	25.9	33.9	35.7	28.2	29.3	29.9	29.8	29.6	28.7	11
12	28.4	28.5	25.9	26.0	35.9	34.7	28.5	29.3	29.8	29.9	29.9	28.8	12
13	28.4	28.7	25.8	26.0	35.6	34.1	29.2	29.3	29.5	30.0	30.1	28.3	13
14	28.4	28.8	26.8	26.0	36.4	33.3	29.5	29.2	29.9	29.9	29.7	28.3	14
15	28.4	28.8	27.9	25.9	38.0	32.6	29.3	29.1	29.9	29.8	29.6	27.9	15
16	28.4	28.6	28.0	25.6	41.1	31.9	29.0	29.1	29.4	29.7	29.5	27.9	16
17	28.5	28.5	28.3	25.7	41.8	31.7	29.1	29.1	29.2	29.6	29.5	28.1	17
18	28.6	28.4	28.2	25.6	41.2	31.0	29.3	29.4	29.4	29.6	29.4	28.2	18
19	28.6	28.2	28.1	25.8	39.7	30.1	29.3	29.0	29.8	29.5	29.7	28.0	19
20	28.6	27.9	28.1	25.2	38.7	29.1	29.4	28.9	29.9	29.4	29.7	28.1	20
21	28.6	26.1	28.2	25.4	37.5	28.1	29.7	28.8	29.6	29.5	29.8	28.2	21
22	28.5	25.8	28.8	27.1	36.7	27.4	29.7	28.6	29.4	29.7	29.7	28.6	22
23	28.6	25.8	29.4	27.2	35.6	27.2	29.6	28.8	29.0	29.9	29.5	28.8	23
24	28.6	25.8	29.7	26.5	34.5	27.2	29.7	28.9	28.8	29.8	29.5	28.8	24
25	28.7	26.0	29.4	26.6	34.2	27.2	29.5	28.9	28.9	29.5	29.8	28.6	25
26	28.6	26.1	28.9	26.8	33.4	27.1	29.7	29.0	29.0	29.4	29.9	28.3	26
27	28.6	26.3	28.3	27.1	33.0	27.0	29.6	29.2	29.2	29.5	29.9	27.6	27
28	28.6	26.4	27.8	27.3	32.7	26.9	29.7	29.3	29.4	29.6	29.7	27.7	28
29	28.6	26.3	27.4	27.7		27.2	29.8	29.1	29.5	29.7	29.8	28.0	29
30	28.8	26.4	27.5	27.9		27.6	29.9	28.9	29.5	29.9	29.7	28.2	30
31	28.8		27.6	27.7		27.8		28.8		29.7	29.5		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 34	121 43 32	SW26 14N 2E					20-DATE			0.00	USED

Staff located on east levee at O'Banion Road, 9.8 mi. SW of Yuba City. Gage read twice daily by pump operators.

TABLE 259

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT STATE PUMPING PLANT 1

STATION NO	WATER YEAR
A05910	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	27.2	28.6	23.7	27.6	27.4	31.7	27.8	29.9	28.7	29.6	29.7	28.9	1
2	27.3	28.5	26.0	27.6	27.0	31.7	27.9	29.7	28.6	29.7	29.6	28.9	2
3	28.0	28.4	27.1	27.5	26.7	31.6	27.5	29.8	28.8	30.0	29.7	29.0	3
4	28.4	28.4	32.2	27.5	26.4	31.6	26.8	29.7	29.0	29.7	29.9	28.9	4
5	28.6	28.4	32.1	27.4	26.1	31.4	27.3	29.9	29.1	29.5	29.9	28.6	5
6	28.6	28.4	32.0	27.1	25.8	31.6	27.5	29.6	29.0	29.6	29.8	28.2	6
7	28.5	28.3	31.7	26.7	25.0	31.9	27.9	29.9	28.9	29.8	29.7	28.0	7
8	28.4	28.2	31.0	24.8	23.0	33.5	27.8	29.6	28.8	29.9	29.4	27.8	8
9	28.2	28.2	29.6	22.9	23.3	36.2	27.7	29.7	28.8	30.0	29.5	28.0	9
10	28.3	28.2	28.4	22.6	29.0	36.0	28.0	29.6	29.3	29.9	29.6	28.0	10
11	28.3	28.3	27.3	22.7	34.5	35.1	28.1	29.0	29.6	29.8	29.6	28.2	11
12	28.4	28.6	25.8	23.0	35.4	34.1	28.5	29.3	29.0	29.9	29.7	28.3	12
13	28.4	28.7	24.6	23.0	35.2	33.0	29.2	29.2	29.0	30.0	29.9	28.1	13
14	28.4	28.8	26.5	23.0	35.8	32.6	29.5	29.2	28.8	29.9	29.6	27.8	14
15	28.4	28.8	27.8	23.0	37.5	32.0	29.2	28.7	28.8	29.7	29.5	27.5	15
16	28.4	28.6	28.0	22.9	39.4	31.6	29.0	28.4	28.7	29.6	29.4	27.6	16
17	28.5	28.5	28.2	22.5	40.3	31.2	29.2	28.5	28.8	29.6	29.4	27.7	17
18	28.5	28.3	28.1	22.2	39.7	30.4	29.3	28.5	29.2	29.6	29.4	27.9	18
19	28.5	27.2	28.0	22.0	38.2	29.5	28.7	28.4	29.8	29.5	29.6	27.7	19
20	28.6	23.7	28.0	22.2	37.6	28.4	29.5	28.3	29.8	29.4	29.6	28.0	20
21	28.5	23.0	28.0	22.4	36.7	26.6	29.6	28.3	29.5	29.5	29.7	28.0	21
22	28.5	22.5	28.4	23.0	35.9	25.4	29.6	28.2	29.2	29.7	29.6	28.3	22
23	28.5	23.3	29.1	25.0	34.7	25.0	29.5	28.6	28.8	29.8	29.4	28.5	23
24	28.6	23.7	29.4	24.0	33.8	24.7	29.7	28.6	28.8	29.7	29.4	28.4	24
25	28.6	24.2	29.2	25.6	32.9	24.7	29.5	28.6	28.8	29.5	29.6	28.4	25
26	28.5	24.8	28.7	26.6	32.6	24.7	29.7	28.8	29.0	29.3	29.8	28.3	26
27	28.5	25.2	28.2	27.0	32.4	24.6	29.5	29.0	29.2	29.5	29.8	27.7	27
28	28.6	25.8	27.7	27.4	31.9	24.8	29.8	29.0	29.4	29.6	29.5	27.6	28
29	28.6	25.1	27.4	27.8		26.7	29.7	28.8	29.5	29.7	29.4	28.0	29
30	28.6	23.8	27.6	27.8		27.5	29.7	28.7	29.5	29.7	29.4	28.0	30
31	28.6		27.6	27.5		27.9		28.4		29.7	29.0		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.&B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 55 59	121 38 03	NE33 13N 3E					20-DATE			0.00	USED

Staff located on east levee, 3 mi. N. of Nelson Slough, 3.6 mi. NW of Nicolaus. Gage read twice daily by pump operators.

TABLE 260

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

STATION NO	WATER YEAR
A02927	1962

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.06	12.77E	16.14E	13.64	13.52E	25.06	20.4	18.28	17.74	13.54	13.80	15.25	1
2	12.94	12.70E	19.14	13.54	13.54E	24.83	20.7	17.89	17.42	13.74	13.70	15.29	2
3	12.78E	12.70E	23.75	13.20	13.49	26.01	21.0	17.78	17.32	13.76	13.68	15.39	3
4	12.68E	12.77E	25.12	13.07	13.45	25.89	21.1	18.16	17.00	13.98	13.65	15.54	4
5	12.57E	12.69E	24.84	13.11	13.26	25.14	21.4	18.73	16.60	14.04	13.95	15.92	5
6	12.47E	12.58E	23.53	13.26	13.28	25.23	21.8	19.38	15.81	13.88	14.10	16.27	6
7	12.37E	12.50	21.82	13.31	13.60	27.64	22.2	19.58	15.22	13.53	14.14	16.47	7
8	12.26E	12.48	19.91	13.38	14.14	31.25	22.5	19.72	15.18	13.36	14.36	16.44	8
9	12.16E	12.46	18.32	13.52	16.90	32.66	22.8	19.94	15.16	13.45	14.36	16.80	9
10	12.18E	12.48	17.10	13.49	26.26	33.07	23.1	20.27	15.11	13.54	14.55	16.23	10
11	12.21E	12.41	15.93	13.36	34.33	32.50	22.9	20.34	15.36	13.56	14.64	15.65	11
12	12.23E	12.38	14.99	13.38	34.46	31.28	22.3	19.65	15.58	13.40	14.70	15.80	12
13	12.26E	12.39	14.52	13.38	33.86	30.23	21.5	19.18	15.49	13.52	14.67	15.93	13
14	12.28E	12.45	13.97	13.29	34.59	28.23	21.4	18.84	15.38	13.83	14.73	15.78	14
15	12.31E	12.51	13.78	13.14	35.36	26.96	21.7	18.74	15.49	13.84	14.72	15.64	15
16	12.33E	12.53	13.78	13.08	36.13	25.69	22.3	18.56	16.05	13.76	14.53	15.57	16
17	12.36E	12.50	13.76	12.99	36.14	24.24	22.1	18.67	16.09	13.76	14.45	14.90	17
18	12.38E	12.51	13.75	12.90	35.61	22.70	21.4	18.68	16.14	13.71	14.40	14.70	18
19	12.41E	12.56	13.70	12.88	35.00	21.40	20.4	18.44	16.07	13.58	14.49	14.56	19
20	12.43E	12.67	13.69	14.62	34.44	20.73	19.8	18.41	15.87	13.43	14.62	14.50	20
21	12.46E	13.07	15.45	18.92	34.03	20.24	19.3	17.96	15.79	13.42	14.60	14.31	21
22	12.48E	13.06	19.71	20.13	33.34	19.85	18.4	17.47	15.60	13.59	14.61	14.17	22
23	12.51E	13.07	20.23	18.43	32.29	20.45	17.9	17.23	15.38	13.62	14.60	14.19	23
24	12.53E	13.16	18.33	16.55	31.02	20.52	18.1	17.55	14.58	13.62	14.55	14.19	24
25	12.56E	13.17	16.71	15.11	29.23	20.26	18.5	17.45	14.00	13.80	14.54	14.09	25
26	12.58E	13.54	15.47	14.44	28.38	19.80	18.5	17.10	13.85	13.80	14.75	13.87	26
27	12.61E	15.27	14.71	14.06	27.29	19.56	18.1	17.11	14.15	13.48	14.86	13.54	27
28	12.63E	16.38	14.15	13.78	26.18	19.68	18.2	17.02	14.27	13.40	15.03	13.33	28
29	12.65E	15.77E	13.80	13.54		19.83	19.4	17.30	13.88	13.61	15.06	13.30	29
30	12.68E	15.37E	13.80	13.44		20.00	19.0	17.88	13.51	13.70	15.14	13.49	30
31	12.71E		13.74	13.44		20.18		17.80		13.70	15.24		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-28-61	0830	16.42	1-22-62	0445	20.37	3- 3-62	1800	26.14	4-16-62	1300	22.37
12- 4-61	2400	25.23	2-11-62	1400	34.81	3-10-62	0630	33.13	4-29-62	1700	19.62
12-23-61	0030	20.75	2-16-62	1900	36.22	4-10-62	1600	23.12			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		

Station located on west levee, 3.7 mi. SE of Knights Landing.

TABLE 261

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT FREMONT WEIR, WEST END

STATION NO	WATER YEAR
A02170	1962

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	14.80	14.52	17.84	15.23	14.93	25.39	21.66	18.99	18.42	14.80	14.87	15.80	1
2	14.66	14.47	21.30	15.11	14.94	25.73	21.96	18.57	18.10	14.89	14.74	15.99	2
3	14.41	14.42	27.12	14.85	14.91	27.26	22.18	18.38	17.99	14.82	14.80	16.22	3
4	14.14	14.40	27.91	14.72	14.87	27.16	22.31	18.74	17.76	14.80	14.80	16.40	4
5	13.97	14.36	26.18	14.83	14.73	26.31	22.56	19.31	17.27	14.82	15.08	16.76	5
6	13.91	14.27	23.77	14.90	14.73	26.52	22.88	19.88	16.55	14.78	15.16	17.10	6
7	13.94	14.17	21.82	14.84	14.97	30.74	23.20	20.13	16.00	14.57	15.13	17.34	7
8	13.89	14.15	20.14	14.81	15.43	33.01	23.42	20.26	15.94	14.48	15.29	17.38	8
9	13.89	14.14	18.86	14.91	18.19	33.94	23.65	20.52	15.93	14.57	15.36	17.44	9
10	13.82	14.16	17.96	14.99	28.35	34.18	23.83	20.83	15.87	14.58	15.60	17.14	10
11	13.78	14.14	17.24	14.89	34.93	33.70	23.68	20.91	16.11	14.57	15.72	16.78	11
12	13.83	14.15	16.58	14.97	35.06	32.43	23.02	20.35	16.31	14.48	15.80	16.66	12
13	14.00	14.16	16.09	14.94	34.59	30.61	22.22	19.86	16.24	14.54	15.76	16.68E	13
14	14.12	14.19	15.65	14.82	35.19	28.59	22.01	19.51	16.16	14.64	15.70	16.53E	14
15	14.12	14.23	15.42	14.67	35.73	26.73	22.35	19.32	16.35	14.66	15.67	16.40E	15
16	14.08	14.24	15.31	14.56	36.25	25.37	22.84	19.20	16.98	14.66	15.47	16.31E	16
17	14.04	14.21	15.22	14.47	36.28	24.28	22.67	19.34	17.06	14.68	15.42	16.05E	17
18	13.99	14.20	15.20	14.36	35.94	23.34	21.96	19.39	17.12	14.75	15.35	15.79E	18
19	14.02	14.26	15.18	14.28	35.45	22.49	20.91	19.11	17.05	14.69	15.52	15.74E	19
20	13.92	14.36	15.28	15.68	35.06	21.89	20.31	19.10	16.80	14.57	15.63	15.77E	20
21	13.90	14.53	17.86	20.69	34.74	21.52	19.84	18.63	16.64	14.57	15.59	15.62	21
22	13.97	14.67	22.82	22.74	34.30	21.19	18.97	18.16	16.38	14.71	15.54	15.57	22
23	14.04	14.75	23.17	20.33	33.46	21.68E	18.45	17.98	16.17	14.70	15.50	15.66	23
24	14.06	14.83	20.80	18.14	32.09	22.15E	18.65	18.19	15.49	14.61	15.48	15.59	24
25	14.17	14.89	18.82	16.76	30.46	22.00E	18.96	18.07	14.95	14.74	15.55	15.43	25
26	14.23	15.33	17.43	16.12	28.87	21.31E	19.02	17.82	14.86	14.83	15.73	15.23	26
27	14.22	17.66	16.58	15.68	27.43	20.92	18.65	17.81	15.17	14.61	15.80	14.99	27
28	14.34	18.74	15.97	15.40	26.20	21.03	18.71	17.78	15.35	14.57	15.83	14.87	28
29	14.45	17.90	15.54	15.14		21.11	19.94	17.92	15.05	14.74	15.86	14.91	29
30	14.51	17.16	15.49	14.94		21.23	19.66	18.38	14.77	14.83	15.83	15.10	30
31	14.52		15.37	14.89		21.40		18.50		14.78	15.82		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	0710	28.10	1-22-62	0530	23.15	2-16-62	1920	36.33	3-10-62	0520	34.24
12-22-61	2400	23.94	2-11-62	2140	35.31	3- 3-62	1730	27.42	4-10-62	1910	23.87

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 45 34	121 39 59	NW32 11N 3E		39.7	12/23/55		AUG 34-DATE	1934		0.00	USED

Station located 0.1 mi. W of weir, 4.0 mi. SE of Knights Landing.

TABLE 262
DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT FREMONT WEIR, EAST END

STATION NO	WATER YEAR
A02160	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	34.48A	NR	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	34.41	NR	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	33.97	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	34.52	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	35.06	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	35.60	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	35.60	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	35.21	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	34.74	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	34.37	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	34.08	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	33.71A	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-11-62	1350	34.65									
2-16-62	2000	35.66									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW27 11N 3E		39.3	3/1/40		APR 35-DATE	1935		0.00	USED

Station located approx. 200 ft. N of weir, 5.2 mi. SE of Knights Landing. Gage heights below weir crest (33.50 ft.) are not tabulated.

TABLE 263

DAILY MEAN GAGE HEIGHT

FEATHER RIVER AT OROVILLE

STATION NO	WATER YEAR
A51140	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	5.41	5.93	15.16	6.63	7.74	12.94	17.42	17.33	14.17	36.62	36.59	36.15	1
2	6.10	6.58	15.82	6.41	7.73	15.13	17.86	17.48	14.14	36.61	36.26	36.15	2
3	6.05	6.40	9.89	6.50	6.90	13.47	18.16	18.13	14.12	36.58	36.54	36.16	3
4	6.22	5.70	8.85	6.38	6.73	12.89	19.16	18.88	13.37	36.64	36.27	36.19	4
5	6.30	5.61	9.27	6.67	8.00	13.60	20.36	19.20	12.78	36.64	36.23	35.96	5
6	6.05	5.60	8.77	6.24	8.31	21.06	21.12	18.92	12.60	36.52	36.54	35.85	6
7	5.59	5.62	8.59	6.27	10.03	18.51	21.73	18.66	12.52	36.50	36.29	35.79	7
8	5.58	5.85	8.56	6.78	15.14	15.40	22.37	18.84	12.46	36.44	36.56	35.66	8
9	5.58	5.64	8.41	6.41	29.49	15.05	23.11	19.11	12.40	36.46	36.65	35.57	9
10	5.61	5.66	8.34	6.44	35.84	14.30	22.66	18.39	12.45	36.41	36.70	35.57	10
11	5.68	5.67	8.53	6.42	25.18	13.67	21.75	17.62	12.27	36.42	36.31	35.75	11
12	5.98	5.67	8.42	6.48	22.03	13.38	21.74	17.05	11.99	36.41	36.24	35.87	12
13	5.72	5.65	8.73	5.87	30.22	13.10	22.55	16.63	11.81	36.38	36.44	35.91	13
14	5.66	5.64	8.51	6.29	31.00	12.85	23.30	16.20	13.38	36.35	36.23	35.92	14
15	5.59	5.64	8.52	6.27	34.96	12.70	24.45	15.82	14.23	36.34	36.17	35.84	15
16	5.82	5.88	8.20	6.26	30.34	12.66	23.76	16.19	13.80	36.33	36.17	35.84	16
17	5.66	5.95	8.23	6.25	24.42	12.54	22.78	15.98	13.61	36.39	36.36	35.82	17
18	5.60	5.79	7.84	6.55	21.22	12.42	21.98	15.37	13.26	36.36	36.48	35.88	18
19	5.68	5.77	6.89	10.92	19.09	12.58	21.87	14.86	12.61	36.36	36.37	35.84	19
20	5.75	5.91	9.25	14.47	18.12	12.90	20.49	14.18	12.49	36.79	36.33	35.78	20
21	5.76	6.66	11.98	8.98	16.35	12.97	18.98	13.28	13.06	36.55	36.16	35.84	21
22	5.73	7.14	8.82	8.60	14.75	14.82	18.82	13.59	12.37	36.37	36.16	35.81	22
23	5.63	6.05	8.13	7.06	14.46	13.92	19.87	14.41	9.39	36.70	36.16	35.79	23
24	5.57	6.65	7.32	7.18	13.95	13.25	20.50	13.90	9.20	36.77	36.17	35.80	24
25	5.65	7.50	7.04	6.96	13.46	13.18	20.21	13.10	10.45	36.45	36.16	35.43	25
26	5.71	7.44	6.86	6.77	12.97	14.10	19.46	12.67	12.45	36.32	36.15	35.35	26
27	5.81	7.56	6.75	6.69	12.57	15.01	19.28	12.68	11.80	36.67	36.15	35.35	27
28	6.05	7.57	7.68	6.53	12.40	16.13	21.56	13.31	10.31	36.34	36.16	35.51	28
29	6.02	7.57	8.72	6.73		16.90	18.75	14.30	10.17	36.20	36.15	35.68	29
30	5.79	11.30	8.19	7.42		16.86	17.60	14.51	10.10	36.56	36.16	35.55	30
31	5.70		8.41	8.03		17.04		14.16		36.34	36.16		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 9-62	2200	41.20	2-13-62	1700	34.30	2-15-62	1420	35.38	4-15-62	0100	25.79
2-13-62	0230	27.04	2-15-62	0430	35.59	4-10-62	0230	23.61	4-28-62	0530	22.55

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 31 06	121 32 57	SW8 19N 4E	230000		3/19/07	OCT 01-DATE	OCT 01-DATE	1912	1934	139.53	USCOS
								1934	1962	182.02	USCGS
								1962		100.00	USCOS

Station located 200 ft. below Oroville-Chico Road bridge, 0.4 mi. NE of Oroville. Flow partly regulated by reservoirs and power plants. Prior to June 30, 1962, station located 75 ft. above Feather River Highway bridge, 4 mi. NE of Oroville. Records furnished by USGS. Drainage area is 3640 sq. mi.

TABLE 264

DAILY MEAN GAGE HEIGHT

FEATHER RIVER NEAR GRIDLEY

STATION NO	WATER YEAR
A05165	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	75.16	75.74	79.08	77.32	77.42	78.78	79.97	79.14	78.11	76.45E	76.26	76.56	1
2	75.15	76.15	79.97	77.04	77.45	79.41	80.10	79.10	78.18	76.43E	76.62	76.60	2
3	75.63	76.22	78.48	77.02	77.35	79.15	80.17	79.27	78.16	76.41E	76.21	76.60	3
4	75.55	76.09	77.76	77.04	77.21	78.89	80.40	79.49	78.01	76.55E	76.71	76.65	4
5	75.75	75.72	77.90	77.12	77.35	78.83	80.83	79.72	77.76	76.61E	76.18	76.53	5
6	75.75	75.70	77.70	77.06	77.57	80.86	81.11	79.64	77.59	76.41E	76.29	76.31	6
7	75.53	75.69	77.64	77.02	77.80	81.07	81.32	79.53	77.55	76.24E	76.74	76.21	7
8	75.23	75.77	77.62	77.08	78.91	79.91	81.57	79.59	77.52	76.16	76.42	76.24	8
9	75.22	75.99	77.60	77.09	82.53	79.50	81.83	79.68	77.49	76.17	77.11E	75.89	9
10	75.25	75.91	77.57	77.05	88.71	79.40	81.79	79.57	77.50	76.20	77.16E	76.08	10
11	75.37	75.91	77.57	77.04	84.52	79.14	81.46	79.34	77.45	76.13	77.02E	76.50	11
12	75.47	75.90	77.61	77.05	82.23	79.01	81.27	79.15	77.37	76.05	76.41E	76.75	12
13	75.74	76.10	77.60	76.99	84.40	78.91	81.52	79.02	77.29	75.95	76.49E	76.94	13
14	75.59	76.55	77.59	76.93	86.22	78.82	81.75	78.91	77.53	75.90	76.51E	76.99	14
15	75.54	76.57	77.59	77.01	87.74	78.76	82.18	78.80E	78.06	75.88	76.20E	76.95	15
16	75.53	76.48	77.56	77.01	86.62	78.74	82.05	79.02E	77.87	75.85	76.14	76.93	16
17	76.15	76.52	77.51	77.02	83.90	78.69	81.63	79.09E	77.89	76.45	76.31	76.93	17
18	75.73	76.35	77.54	77.02	82.34	78.57	81.22	78.71E	77.85	76.16	76.82	77.02	18
19	75.56	76.28	77.23	77.59	81.53	78.60	81.02	78.70	77.61	76.07	76.70	76.95	19
20	75.62	76.35	77.63	79.58	80.86	78.64	80.74	78.53E	77.55	76.46	76.63	76.94	20
21	75.61	76.48	78.41	77.98	80.47	78.68	80.12	78.53	77.61	76.86	76.32	77.02	21
22	75.60	77.01	77.90	77.64	79.79	79.05	79.85	78.33	77.68	76.41	76.24	76.97	22
23	75.56	76.63	77.58	77.46	79.47	79.10	80.08	78.51	76.65	76.34	76.26	76.97	23
24	75.49	76.58	77.40	77.25	79.32	78.87	80.26	78.24	76.11	76.98	76.29	77.00	24
25	75.50	76.97	77.24	77.26	79.12	78.78	80.22	77.95	76.09	76.91	76.33	76.56	25
26	75.68	77.36	77.17	77.18	78.96	78.86	79.97	77.83	77.28	76.24	76.32	76.24	26
27	75.75	77.34	77.13	77.14	78.82	79.35	79.70	77.81	77.38	76.17	76.37	76.22	27
28	75.82	77.40	77.19	77.11	78.73	79.47	80.48	77.84	76.77	76.71	76.45	76.29	28
29	75.95	77.47	77.59	77.09		79.76	79.89	78.19	76.53	76.10	76.47	76.73	29
30	75.86	78.12	77.53	77.28		79.81	79.33	78.32	76.49	75.93	76.52	76.56	30
31	75.77		77.54	77.41		79.85		78.32		76.65	76.51		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	0530	89.46	2-15-62	1140	88.11	2-20-62	1640	81.16	4-10-62	1040	81.95
2-13-62	2250	86.94	2-15-62	1750	88.09	3- 6-62	2400	81.80	4-15-62	0720	82.36

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 22 01	121 38 43	SW33 18N 3E		102.25	12/23/55	1/44-DATE	3/29-5/37 # 10/37-4/39 11/39-7/40 10/40-7/43 10/43-DATE	1929 1929		0.00 -3.64	USED USCGS

Station located at highway bridge, 2.7 mi. E of Oridley. Drainage area is 3,684 sq. mi.

- Flood season only

TABLE 265

DAILY MEAN GAGE HEIGHT

FEATHER RIVER AT YUBA CITY

STATION NO	WATER YEAR
A05135	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	38.79	39.06	43.48	41.32	41.14	44.29	46.09	45.31	43.83	40.38	39.54	39.76	1
2	38.78	39.12	45.09	40.70	41.07	47.07	46.31	45.17	43.96	40.31	39.86	39.91	2
3	38.82	39.52	44.30	40.57	41.09	46.20	46.45	45.40	43.99	40.18	39.55	39.89	3
4	39.02	39.57	42.29	40.56	40.80	45.04	46.66	45.82	43.86	40.14	39.90	39.94	4
5	39.01	39.33	42.12	40.57	40.70	44.68	47.24	46.23	43.27	40.28	39.62	40.02	5
6	39.13	39.18	41.89	40.68	41.18	47.90	47.72	46.39	42.71	40.19	39.50	39.84	6
7	39.07	39.22	41.61	40.59	41.43	50.11	48.05	46.44	42.46	39.97	40.02	39.75	7
8	38.99	39.25	41.46	40.60	42.95	47.62	48.40	46.44	42.54	39.90	39.69	39.70	8
9	38.89	39.30	41.43E	40.77	47.78	46.16	48.76	46.59	42.49	39.81	40.09	39.65	9
10	38.87	39.31	41.35E	40.63	59.09	45.80	48.88	46.63	42.54	39.72	40.27	39.50	10
11	38.89	39.28	41.34E	40.63	58.11	45.23	48.43	46.08	42.67	39.67	40.41	39.68	11
12	38.92	39.27	41.37E	40.60	52.74	44.92	48.00	45.60	42.47	39.64	39.87	40.14	12
13	39.00	39.28	41.37E	40.60	53.69	44.70	48.26	45.29	42.33	39.59	39.68	40.28	13
14	39.08	39.44	41.46E	40.40	57.45	44.49	48.73	45.04	42.25	39.48	39.88	40.42	14
15	38.97	39.52	41.39E	40.46	59.14	44.36	49.27	44.73	43.15	39.53	39.58	40.47	15
16	38.93	39.48	41.39E	40.45	59.22	44.28	49.35	44.66	43.01	39.54	39.42	40.41	16
17	38.97	39.46	41.33E	40.43	55.44	44.21	48.79	44.80	42.95	39.53	39.43	40.46	17
18	39.29	39.58	41.32E	40.45	51.52	44.05	48.15	44.53	42.89	39.78	39.78	40.45	18
19	39.10	39.52	41.19E	40.73	49.56	44.10	47.83	44.50	42.54	39.54	40.01	40.53	19
20	38.98	39.56	41.12E	44.83	48.13	44.18	47.66	44.14	42.26	39.55	39.90	40.42	20
21	39.01	39.64	42.34E	43.53E	47.57	44.30	46.74	43.71	42.21	40.10	39.79	40.46	21
22	38.99	39.89	42.75E	41.97E	46.35	44.74	46.24	43.40	42.45	39.93	39.53	40.51	22
23	39.01	40.14	41.71E	41.73	45.69	45.53	46.33	43.76	41.60	39.61	39.54	40.42	23
24	38.98	39.82	41.31E	41.16	45.44	44.84	46.75	44.01	40.58	40.14	39.60	40.51	24
25	38.94	40.00	41.02E	41.10	45.10	44.53	46.86	43.56	40.28	40.29	39.62	40.42	25
26	38.97	40.59	40.88E	40.96	44.76	44.48	46.54	43.21	40.82	39.74	39.66	40.00	26
27	39.13	40.65	40.77E	40.85	44.46	45.09	46.10	43.08	41.70	39.48	39.70	39.88	27
28	39.15	40.71	40.69E	40.79	44.25	45.34	46.93	43.01	41.24	39.88	39.69	39.90	28
29	39.16	40.82	41.11	40.70		45.74	46.79	43.53	40.59	39.64	39.73	40.09	29
30	39.18	41.34	41.40	40.73		45.97	45.77	44.00	40.42	39.38	39.74	40.25	30
31	39.12		41.24	41.02		46.02		44.17		39.74	39.76		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	1840	61.02	2-21-62	0200	48.17	3- 7-62	0640	50.60	4-15-62	2110	49.66
2-15-62	2220	60.24	3- 2-62	1500	48.32	4- 9-62	2400	49.00	4-28-62	1940	47.59

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 08 20	121 36 17	SE23 15N 3E		82.42	12/24/55	7/44-10/45 8 1/46-DATE	11/43-DATE	1943 1943		0.00 -3.0	USED USCOS

Station located at Yuba City-Marysville "5th Street" Highway bridge (Sacramento No. Railroad bridge).
Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,985 sq. mi.

8 - Irrigation season only

TABLE 266

DAILY MEAN GAGE HEIGHT

YUBA RIVER AT ENGLEBRIGHT DAM

STATION NO	WATER YEAR
A61430	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	NF	NF	NF	NF	28.07	28.66	28.66	28.80	27.29	NF	NF	1
2	NF	NF	NF	NF	NF	29.09	28.75	28.70	28.83	27.22	NF	NF	2
3	NF	NF	NF	NF	NF	28.42	28.77	28.84	28.91	27.15	NF	NF	3
4	NF	NF	NF	NF	NF	28.17	28.87	29.03	28.75	27.08	NF	NF	4
5	NF	NF	NF	NF	NF	28.18	29.03	29.20	28.50	27.01	NF	NF	5
6	NF	NF	NF	NF	NF	29.32	29.11	29.38	28.26	27.09	NF	NF	6
7	NF	NF	NF	NF	NF	29.01	29.21	29.40	28.34	27.10	NF	NF	7
8	NF	NF	NF	NF	NF	28.66	29.27	29.44	28.40	26.98A	NF	NF	8
9	NF	NF	NF	NF	31.53A	28.52	29.37	29.50	28.40	NF	NF	NF	9
10	NF	NF	NF	NF	33.55	28.40	29.30	29.42	28.54	NF	NF	NF	10
11	NF	NF	NF	NF	30.63	28.28	29.16	29.07	28.59	NF	NF	NF	11
12	NF	NF	NF	NF	29.53	28.18	29.15	28.85	28.52	NF	NF	NF	12
13	NF	NF	NF	NF	30.72	28.10	29.33	28.68	28.46	NF	NF	NF	13
14	NF	NF	NF	NF	31.20	28.04	29.50	28.52	28.42	NF	NF	NF	14
15	NF	NF	NF	NF	31.94	28.04	29.68	28.41	28.25	NF	NF	NF	15
16	NF	NF	NF	NF	30.92	28.04	29.52	28.41	28.12	NF	NF	NF	16
17	NF	NF	NF	NF	29.83	28.03	29.35	28.37	28.13	NF	NF	NF	17
18	NF	NF	NF	NF	29.26	28.00	29.27	28.39	28.15	NF	NF	NF	18
19	NF	NF	NF	NF	28.97	28.04	29.29	28.47	28.07	NF	NF	NF	19
20	NF	NF	NF	NF	28.85	28.12	29.11	28.47	28.10	NF	NF	NF	20
21	NF	NF	NF	NF	28.64	28.13	28.89	28.35	27.98	NF	NF	NF	21
22	NF	NF	NF	NF	28.42	28.42	28.87	28.40	27.88	NF	NF	NF	22
23	NF	NF	NF	NF	28.29	28.45	28.99	28.62	27.87	NF	NF	NF	23
24	NF	NF	NF	NF	28.23	28.26	29.16	28.64	27.78	NF	NF	NF	24
25	NF	NF	NF	NF	28.13	28.20	29.18	28.43	27.71	NF	NF	NF	25
26	NF	NF	NF	NF	28.04	28.23	29.01	28.32	27.65	NF	NF	NF	26
27	NF	NF	NF	NF	27.94	28.32	28.98	28.25	27.58	NF	NF	NF	27
28	NF	NF	NF	NF	27.90	28.41	29.34	28.29	27.53	NF	NF	NF	28
29	NF	NF	NF	NF		28.47	29.02	28.50	27.46	NF	NF	NF	29
30	NF	NF	NF	NF		28.57	28.79	28.70	27.36	NF	NF	NF	30
31	NF		NF	NF		28.59		28.76		NF	NF		31

E - Estimated
NR - No Record
NF - No Flow

A - Mean gage height for period of flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	0700	34.53.	2-15-62	1400	32.25	3- 6-62	0700	29.41	4-28-62	0920	29.45
2-13-62	2300	31.92	3- 2-62	0630	29.56	4-15-62	1450	29.80	5- 9-62	1200	29.60

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 14 22	121 16 00	SE14 16N 6E	150000		2/1/63	OCT 41-DATE	OCT 41-DATE	1941 1958	1958	526.99 0.00	USCOS USCOS

Station located above spillway of Englebright Dam, 1.0 mi. above Deer Creek, 2.5 mi. NE of Smartville. Flow regulated by Lake Spaulding, Englebright Reservoir, Bowman Lake, Fordyce Lake, and many smaller reservoirs. Maximum discharge listed includes flow through powerhouse. Records furn. by USGS. Drainage area is 1,104 sq. mi.

TABLE 267

DAILY MEAN GAGE HEIGHT

YUBA RIVER NEAR MARYSVILLE

STATION NO	WATER YEAR
A06150	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	60.24	61.08	62.07	61.73	61.93	63.47	64.04	NR	63.89	61.76	60.53	60.90	1
2	60.26	61.14	62.15	61.73	61.94	65.65	64.13	NR	63.92	61.63	60.53	60.92	2
3	60.27	61.47	61.99	61.73	61.93	64.16	64.17	NR	64.04	61.53	60.56	60.98	3
4	60.26	61.23	61.82	61.73	61.93	63.69	64.22	NR	63.87	61.45	60.57	61.12	4
5	60.27	61.10	61.77	61.72	61.93	63.62	64.36	NR	63.59	61.37	60.59	61.01	5
6	60.26	61.10	61.75	61.81	61.94	65.55	64.51	NR	63.27	61.19	60.61	61.08	6
7	60.25	61.11	61.74	61.94	62.04	65.02	64.51	NR	63.27	61.22	60.57	61.10	7
8	60.26	61.13	61.71	61.94	62.26	64.33	64.66	NR	63.36	61.23	60.59	61.11	8
9	60.25	61.13	61.69	61.94	65.49	64.07	64.82	NR	63.39	61.11	60.63	61.10	9
10	60.26	61.04	61.69	61.94	75.29	63.89	64.77	NR	63.51	61.08	60.58	61.10	10
11	60.26	61.12	61.69	61.93	67.72	63.73	64.50	NR	63.59	61.02	60.55	61.10	11
12	60.26	61.12	61.66	61.94	65.75	63.61	64.43	NR	63.49	60.99	60.61	61.08	12
13	60.25	61.12	61.67	61.94	68.09	63.48	64.62	NR	63.42	60.87	60.60	61.11	13
14	60.21	61.14	61.66	61.93	68.61	63.34	64.80	NR	63.41	60.80	60.60	61.09	14
15	60.17	61.15	61.67	61.93	70.54	63.35	65.04	NR	63.22	60.77	60.62	61.10	15
16	60.16	61.14	61.67	61.92	68.24	63.33	64.88	63.44	63.02	60.74	60.62	61.11	16
17	60.16	61.16	61.67	61.92	66.14	63.33	64.64	63.42	63.00	60.72	60.63	61.11	17
18	60.16	61.16	61.69	61.93	65.24	63.29	64.45	63.41	63.03	60.71	60.61	61.12	18
19	60.16	61.17	61.72	66.24	64.84	63.31	64.48	63.54	62.94	60.66	60.60	61.18	19
20	60.42	61.19	61.86	63.49	64.57	63.38	64.39	63.55	62.97	60.64	60.58	61.30	20
21	60.82	61.22	61.84	62.30	64.38	63.43	64.07	63.40	62.82	60.60	60.61	61.33	21
22	60.86	61.24	61.83	62.11	64.00	63.81	63.98	63.38	62.70	60.63	60.59	61.33	22
23	60.89	61.25	61.77	62.05	63.77	64.00	64.09	63.62	62.60	60.62	60.62	61.33	23
24	60.90	61.25	61.75	62.01	63.66	63.71	64.27	63.76	62.54	60.59	60.62	61.32	24
25	60.92	61.27	61.74	61.99	63.58	63.61	64.37	63.51	62.42	60.60	60.61	61.31	25
26	60.94	61.30	61.73	61.98	63.46	63.61	64.19	63.36	62.32	60.57	60.72	61.32	26
27	60.95	61.31	61.73	61.96	63.30	63.67	64.05	63.26	62.20	60.57	60.78	61.38	27
28	60.92	61.28	61.73	61.96	63.20	63.78	64.54	63.28	62.11	60.60	60.93	61.44	28
29	60.91	61.33	61.74	61.93		63.83	64.26	63.52	62.01	60.62	60.95	61.44	29
30	60.90	61.85	61.73	61.93		63.93	63.94	63.72	61.86	60.58	60.83	61.32	30
31	60.90		61.74	61.94		63.99		63.83		60.55	60.84		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	0930	77.33	2-13-62	2350	69.65	2-15-62	1550	71.07	3- 6-62	0730	65.69
2-13-62	0600	67.76	2-15-62	0700	71.20	3- 2-62	0900	66.73	3- 6-62	2100	66.02

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 10 35	121 31 25					7/39-12/44 & 4/45-DATE	5/40-DATE	1939		0.00	USED

Station located 5 mi. below Dry Creek, 4.2 mi. NE of Marysville. Records furn. by USOS.
Drainage area is 1,335 sq. mi.

8 - Irrigation season only

TABLE 268

DAILY MEAN GAGE HEIGHT

FEATHER RIVER BELOW SHANGHAI BEND

STATION NO	WATER YEAR
A05120	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	32.45	32.83	36.68	39.17	35.07	38.82	40.94	39.94	38.62	NR	NR	33.13	1
2	32.43	32.92	38.71	34.58	34.99	42.31	41.20	39.76	38.71	NR	NR	33.27	2
3	32.44	33.42	38.19	34.45	35.01	41.27	41.35	40.05	38.79	NR	NR	33.28	3
4	32.67	33.42	36.18	34.43	34.72	39.76	41.59	40.61	38.66	NR	NR	33.33	4
5	32.66	33.10	35.86	34.44	34.63	39.34	42.25	41.19	37.97	NR	NR	33.41	5
6	32.76	32.96	35.70E	34.58	35.09	42.98	42.84	41.44	37.30	NR	NR	33.33	6
7	32.71	33.00	35.40E	34.55	35.41	45.64	43.23	41.64	36.92	NR	NR	33.23	7
8	32.63	33.04	35.26E	34.56	36.67	43.12	43.67	41.58	37.11	NR	NR	33.17	8
9	32.54	33.11	35.26E	34.72	NR	41.24	44.07	41.80	37.11	NR	NR	33.13	9
10	32.54	33.10	35.20E	34.60	NR	40.76	44.27	41.85	37.19	NR	33.56	33.00	10
11	32.56	33.08	35.18E	34.59	NR	40.10	43.76	41.15	37.42	NR	33.66	33.05	11
12	32.60	33.10	35.20E	34.57	NR	39.67	43.26	40.42	37.18	NR	33.29	33.50	12
13	32.66	33.10	35.16	34.56	NR	39.33	43.49	40.00	37.00	NR	33.04	33.65	13
14	32.73	33.25	35.25	34.35	NR	39.04	44.02	39.60	36.89	NR	33.18	33.83	14
15	32.62	33.32	35.19	34.42	NR	38.90	44.63	39.21	37.42	NR	32.98	33.90	15
16	32.58	33.28	35.19	34.41	NR	38.84	44.79	39.07	37.31	NR	32.79	NR	16
17	32.62	33.26	35.12	34.40	51.50	38.77	44.20	39.23	37.18	NR	32.77	NR	17
18	32.94	33.39	35.11	34.41	47.34	38.61	43.47	38.99	37.14	NR	NR	NR	18
19	32.75	33.34	34.94	34.75	45.12	38.63	43.09	38.97	36.83	NR	NR	NR	19
20	32.63	33.37	34.92	NR	43.52	38.74	42.94	38.71	36.53	NR	NR	NR	20
21	32.73	33.47	35.93	NR	42.68	38.89	41.78	38.22	36.40	NR	NR	NR	21
22	32.72	33.74	36.50	35.91	41.40	39.25	41.12	37.86	36.48	NR	32.69	NR	22
23	32.76	33.98	35.51	35.67	40.55	40.43	41.22	38.30	35.81	NR	32.86	33.98	23
24	32.73	33.62	35.13	35.07	40.22	39.57	41.76	38.71	34.70E	NR	32.89	34.00	24
25	32.68	33.82	34.83	34.99	39.82	39.18	41.97	38.19	34.31E	NR	32.94	34.00	25
26	32.73	34.36	34.70	34.86	39.43	39.10	41.58	37.76	34.65E	NR	33.00	33.62	26
27	32.92	34.41	34.62	34.76	39.04	39.65	41.00	37.52	35.55E	NR	33.08	33.49	27
28	32.89	34.47	34.56	34.70	38.75	39.99	41.94	37.47	35.12E	NR	33.09	33.50	28
29	32.90	34.51	34.96	34.63		40.46	41.97	37.99	34.33E	NR	33.12	33.63	29
30	32.91	35.01	35.27	34.64		40.75	40.57	38.60	34.04E	NR	33.15	33.84	30
31	32.86		35.10	34.93		40.85		38.89		NR	33.14		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-21-62	0300	43.46	3- 7-62	0730	46.07	4-15-62	2200	45.06	4-28-62	2140	42.83
3- 2-62	1540	43.72	4-10-62	0300	44.38	4-24-62	2140	42.10	5- 9-62	2300	42.08

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 44	121 36 08	NE11 14N 3E		76.8	12/24/55	6/44-10/45 8 1/46-DATE	11/26-5/37 # 10/37-5/39 11/39-7/41 11/41-7/43 # 10/43-DATE			0.00	USED

Station located approx. 4 mi. S of Yuba City. Flow partly regulated by reservoirs and power plants. High flows rated by means of simultaneous current meter measurements of Yuba River near Marysville and Feather River at Yuba City. Record listed is not considered to have the same degree of accuracy as other records published in this report. Drainage area is 5,343 sq. mi.

8 - Irrigation season only
- Flood season only

TABLE 269

DAILY MEAN GAGE HEIGHT

BEAR RIVER NR WHEATLAND

STATION NO	WATER YEAR
A06550	1962

DATE	OCT	NOV.	DEC	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	0.47	0.59	2.09	1.21	1.44	2.57	1.96	1.63	0.97	0.64	1.03	0.63	1
2	0.46	0.54	1.99	1.25	1.42	4.29	2.02	1.57	0.94	0.64	1.06	0.61	2
3	0.42	0.53	1.77	1.30	1.40	3.19	2.21	1.52	1.38	0.60	0.98	0.64	3
4	0.41	0.54	1.36	1.27	1.39	2.85	2.27	1.48	1.18	0.58	0.80	0.63	4
5	0.41	0.61	1.16	1.27	1.38	2.83	2.26	1.42	0.94	0.57	0.63	0.63	5
6	0.38	0.50	1.08	1.26	1.18	5.56	2.29	1.43	0.70	0.57	0.68	0.57	6
7	0.41	0.44	1.04	1.25	1.26	4.79	2.31	1.36	0.70	0.57	0.91	0.55	7
8	0.42	0.55	1.00	1.24	1.59	3.68	2.31	1.32	0.75	0.59	0.87	0.55	8
9	0.47	0.48	0.96	1.09	5.23	3.18	2.32	1.25	0.73	0.58	0.71	0.59	9
10	0.40	0.42	0.92	0.96	11.86	2.88	2.29	1.30	0.73	0.58	0.86	0.58	10
11	0.47	0.44	0.90	0.95	6.80	2.73	2.23	1.37	0.70	0.61	0.96	0.59	11
12	0.44	0.43	0.89	0.93	4.90	2.73	2.10	1.47	0.64	0.61	0.80	0.59	12
13	0.42	0.42	0.88	0.96	7.59	2.97	1.97	1.37	0.65	0.62	0.77	0.60	13
14	0.45	0.41	0.87	0.98	7.14	2.92	2.10	1.25	0.71	0.60	0.68	0.60	14
15	0.46	0.40	0.86	0.94	9.12	2.90	1.95	1.13	0.62	0.59	0.57	0.59	15
16	0.46	0.40	0.85	0.94	7.17	2.86	1.62	1.21	0.60	0.59	0.57	0.58	16
17	0.44	0.39	0.85	0.93	5.47	2.80	1.89	1.32	0.68	0.60	0.62	0.52	17
18	0.46	0.42	0.92	0.92	4.25	2.80	2.13	1.26	0.75	0.61	0.64	0.50	18
19	0.48	0.40	1.10	1.53	3.86	2.76	1.59	1.19	0.65	0.59	0.62	0.49	19
20	0.56	0.48	1.64	3.98	3.30	2.76	1.67	1.17	0.60	0.60	0.62	0.68	20
21	0.51	0.68	1.61	2.08	3.02	2.70	1.57	1.17	0.62	0.59	0.62	0.72	21
22	0.50	0.81	1.41	1.81	2.71	2.68	1.78	1.17	0.61	0.58	0.61	0.73	22
23	0.50	0.73	1.22	1.70	2.61	2.50	2.18	1.13	0.61	0.58	0.62	0.60	23
24	0.51	0.79	1.12	1.63	2.58	2.16	1.73	1.04	0.62	0.58	0.62	0.59	24
25	0.50	0.75	1.07	1.58	2.54	2.17	1.77	1.03	0.62	0.58	0.63	0.58	25
26	0.48	0.75	1.04	1.55	2.52	1.96	2.10	1.02	0.60	0.57	0.63	0.57	26
27	0.47	0.86	1.05	1.52	2.47	1.23	1.65	1.16	0.60	1.11	0.63	0.57	27
28	0.47	0.90	1.04	1.50	2.45	0.82	2.11	1.12	0.60	1.19	0.68	0.57	28
29	0.46	0.98	1.04	1.47		0.77	1.91	1.19	0.67	1.16	0.71	0.55	29
30	0.43	1.69	1.11	1.46		0.78	1.72	1.21	0.64	1.11	0.71	0.56	30
31	0.45		1.17	1.45		0.80		1.09		1.08	0.68		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-20-62	0650	6.28	2-10-62	1200	12.79	2-15-62	0600	9.20	3- 2-62	1200	5.15
2- 9-62	1200	5.30	2-13-62	2330	8.51	2-15-62	1610	9.53	3- 6-62	1700	6.04

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 00 01	121 24 20	3 13N 5E	33000	19.30	12/22/55	OCT 28-DATE	OCT 28-DATE	1928	1943	81.50	USCGS
								1943		78.92	USCOS

Station located on U. S. Highway 99E bridge, 1 mi. SE of Wheatland. Tributary to Feather River. Medium and low flows affected by upstream regulation. Records furn. by USGS. Drainage area is 295 sq. mi.

TABLE 270

DAILY MEAN GAGE HEIGHT

DRY CREEK NEAR WHEATLAND

STATION NO	WATER YEAR
A06650	1962

DATE	OCT.	NOV.	DEC.	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	NF	NF	3.06A	NR	3.12	3.83	3.47	3.13	3.07	NF	NF	NF	1
2	NF	NF	3.75	3.05	3.12	5.57	3.48	3.15	3.04	NF	NF	NF	2
3	NF	NF	3.79	3.04	3.12	4.34	3.46	3.15	3.01	NF	NF	NF	3
4	NF	NF	3.73	3.03	3.12	3.99	3.37	3.15	3.00	NF	NF	NF	4
5	NF	NF	3.41	3.03	3.11	4.04	3.33	3.13	3.00	NF	NF	NF	5
6	NF	NF	NR	3.03	3.12	6.16	3.29	3.12	3.01	NF	NF	NF	6
7	NF	NF	NR	3.03	3.36	5.20	3.22	3.13	3.00	NF	NF	NF	7
8	NF	NF	NR	3.04	3.52	4.37	3.19	3.08	3.00	NF	NF	NF	8
9	NF	NF	NR	3.03	5.94	4.08	3.18	2.96A	3.00	NF	NF	NF	9
10	NF	NF	NR	3.02	10.32	3.92	3.19	NF	2.98	NF	NF	NF	10
11	NF	NF	NR	3.02	5.82	3.82	3.21	NF	2.98	NF	NF	NF	11
12	NF	NF	NR	3.03	5.06	3.76	3.21	NF	3.00	NF	NF	NF	12
13	NF	NF	NR	3.05	7.18	3.69	3.16	NF	3.00	NF	NF	NF	13
14	NF	NF	NR	3.05	6.19	3.65	3.14	NF	2.98	NF	NF	NF	14
15	NF	NF	NR	3.05	8.46	3.62	3.13	NF	2.97	NF	NF	NF	15
16	NF	NF	NR	3.04	5.48	3.59	3.12	2.97A	2.96	NF	NF	NF	16
17	NF	NF	NR	3.04	4.88	3.57	3.11	2.98	2.96A	NF	NF	NF	17
18	NF	NF	NR	3.03	4.38	3.54	3.08	2.99	NF	NF	NF	NF	18
19	NF	NF	NR	3.06	4.48	3.51	3.11	3.00	NF	NF	NF	NF	19
20	NF	NF	NR	4.91	4.09	3.49	3.14	3.01	NF	NF	NF	NF	20
21	NF	NF	3.39	3.67	4.09	3.50	3.11	3.01	NF	NF	NF	NF	21
22	NF	NF	3.37	3.37	3.86	3.70	3.11	3.00	NF	NF	NF	NF	22
23	NF	NF	3.24	3.24	3.77	3.80	3.11	2.99	NF	NF	NF	2.96A	23
24	NF	NF	3.18	3.18	3.70	3.60	3.09	3.00	NF	NF	NF	2.97	24
25	NF	NF	3.17	3.16	3.68	3.54	3.07	3.04	NF	NF	NF	2.96	25
26	NF	NF	3.16	3.13	3.68	3.50	3.07	3.13	NF	NF	NF	NF	26
27	NF	NF	NR	3.11	3.63	3.47	3.09	3.09	NF	NF	3.00A	NF	27
28	NF	NF	NR	3.12	3.58	3.44	NR	3.10	NF	NF	3.00	NF	28
29	NF	NF	NR	3.11		3.43	NR	3.09	NF	NF	3.00	2.96	29
30	NF	NF	NR	3.11		3.43	NR	3.07	NF	NF	2.98	2.97	30
31	NF		NR	3.12		3.46		3.04		NF	2.96A		31

E - Estimated
NR - No Record
NF - No Flow

A - Mean gage height for period of flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	0020	11.30	2-10-62	1420	11.42	2-15-62	0520	10.80	3-6-62	1950	7.41
2-10-62	0900	11.50	2-13-62	0540	7.90	2-15-62	1550	8.53			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 35	121 26 10		8790	13.45	12/23/55	OCT 46-DATE	OCT 46-DATE	1946		62.83	USCOS

Station located 2,300 ft. above U. S. Highway 99E bridge, 1.3 mi. NW of Wheatland. Tributary to Bear River. Portion of flow from drainage area may overflow or percolate into Best Slough above station. Records furn. by USGS. Drainage area is 99.5 sq. mi.

TABLE 271

DAILY MEAN GAGE HEIGHT

FEATHER RIVER AT NICOLAUS

STATION NO	WATER YEAR
A05103	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	20.52	20.91	24.50	23.13	23.10	27.35	28.96	27.90	26.40	21.59	20.82	20.84	1
2	20.53	20.95	26.49	22.80	23.06	30.39	29.30	27.57	26.32	21.52	20.46	20.93	2
3	20.51	21.23	27.28	22.51	23.07	31.26	29.55	27.73	26.47	21.34	20.82	21.02	3
4	20.70	21.56	26.14	22.44	22.90	29.06	29.77	28.25	26.50	21.22	20.44	21.06	4
5	20.76	21.34	24.99	22.44	22.74	28.19	30.35	28.84	25.79	21.28	20.87	21.15	5
6	20.80	21.08	24.15	22.51	23.00	31.19	30.99	29.21	25.03	21.22	20.45	21.12	6
7	20.90	21.07	23.54	22.59	23.26	35.44	31.42	29.48	24.48	20.96	20.50	20.98	7
8	20.82	21.13	23.28	22.59	24.18	34.38	31.80	29.30	24.58	20.78	20.99	20.90	8
9	20.67	21.15	23.20	22.69	29.99	33.92	32.22	29.56	24.61	20.72	20.74	20.90	9
10	20.60	21.21	23.15	22.62	39.71	34.05	32.56	29.70	24.62	20.54	21.16	20.72	10
11	20.63	21.17	23.10	22.58	42.39	33.38	32.18	29.24	24.94	20.52	21.34	20.76	11
12	20.68	21.20	23.11	22.57	39.30	32.19	31.57	28.35	24.78	20.46	21.22	21.07	12
13	20.72	21.18	23.10	22.56	38.36	30.73	31.48	27.90	24.53	20.44	20.71	21.37	13
14	20.86	21.23	23.15	22.47	40.62	29.23	32.00	27.42	24.46	20.41	20.68	21.58	14
15	20.79	21.41	23.12	22.38	42.00	28.18	32.47	27.01	24.80	20.39	20.79	21.66	15
16	20.73	21.37	23.12	22.40	42.64	27.68	32.96	26.73	25.05	20.37	20.48	21.66	16
17	20.70	21.33	23.03	22.39	41.12	27.36	32.40	26.94	24.73	20.33	20.32	21.68	17
18	20.94	21.41	23.02	22.36	39.02	27.06	31.74	26.79	24.74	20.56	20.47	21.65	18
19	20.94	21.43	23.00	22.40	37.44	26.97	31.17	26.55	24.56	20.40	20.97	21.73	19
20	20.76	21.43	22.83	26.60	36.27	27.04	31.07	26.51	24.11	20.29	20.97	21.69	20
21	20.77	21.49	23.60	26.94	35.58	27.19	30.04	26.03	23.98	20.55	20.87	21.70	21
22	20.84	21.56	24.67	24.53	34.51	27.25	29.11	25.52	23.93	21.05	20.62	21.79	22
23	20.84	21.95	23.83	23.80	33.38	28.81	29.15	25.70	23.59	20.57	20.48	21.71	23
24	20.84	21.78	23.28	23.32	32.13	27.92	29.58	26.36	22.38	20.54	20.55	21.75	24
25	20.80	21.74	22.94	23.06	30.77	27.40	29.91	25.95	21.95	21.25	20.63	21.79	25
26	20.79	22.15	22.72	23.00	29.54	27.20	29.78	25.43	21.87	21.13	20.66	21.42	26
27	20.88	22.52	22.64	22.85	28.44	27.41	29.00	25.13	22.95	20.46	20.72	21.17	27
28	21.01	22.49	22.58	22.78	27.68	27.81	29.42	25.03	22.84	20.42	20.77	21.14	28
29	21.00	22.49	22.70	22.72		28.29	30.31	25.33	22.05	20.89	20.77	21.25	29
30	21.03	22.76	23.17	22.70		28.65	28.77	26.11	21.71	20.46	20.82	21.54	30
31	20.98		23.10	22.90		28.76		26.50		20.38	20.84		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-11-62	0200	43.29	3- 2-62	2230	32.70	3-23-62	1200	29.10	4-16-62	0420	33.00
2-16-62	0400	43.02	3- 7-62	1200	35.70	4-10-62	0830	32.62	4-29-62	0430	30.76

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 54 00	121 35 00	SE12 12N 3E	357000	51.60	12/23/55	6/21-10/28 8 1/39-DATE	20-DATE	1920 1920		0.00 -3.3	USED USCOS

Station located at Nicolaus Highway bridge, 2.9 mi. below Bear River, 0.5 mi. SW of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and power plants. Maximum discharge of record is for period 1943 to date. Records furn. by USOS. Drainage area is approx. 5,920 sq. mi.

8 - Irrigation season only

TABLE 272

DAILY MEAN GAGE HEIGHT

NATOMAS CROSS CANAL AT HEAD

STATION NO	WATER YEAR
A02920	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	22.31	19.35E	19.62	23.72	20.82	NR	NR	NR	NR	NR	1
2	NR	NR	23.17	19.32E	19.56	24.36	20.99	NR	NR	NR	NR	NR	2
3	NR	NR	24.77	19.37	19.53	25.79	21.15	NR	NR	NR	NR	NR	3
4	NR	NR	24.70	19.41	19.50	25.23	21.26	NR	NR	NR	NR	NR	4
5	NR	NR	23.38	19.27	19.43	24.53	21.46	NR	NR	NR	NR	NR	5
6	NR	NR	21.77	19.38	19.50	25.79	21.81	18.58	NR	NR	NR	NR	6
7	NR	NR	20.73	19.45	19.78	29.03	22.12	18.88	NR	NR	NR	NR	7
8	NR	NR	20.26E	19.41	20.89	30.83	22.40	18.99	NR	NR	NR	NR	8
9	NR	NR	20.13E	19.44	23.05	31.90	22.66	19.20	NR	NR	NR	NR	9
10	NR	NR	20.27E	19.36	31.41	32.30	22.88	19.52	NR	NR	NR	NR	10
11	NR	NR	20.23E	19.35	35.17	31.73	22.69	19.52	NR	NR	NR	NR	11
12	NR	NR	20.08E	19.36	34.13	30.46	22.07	18.87	NR	NR	NR	NR	12
13	NR	NR	19.94E	19.41	33.73	28.62	21.36	18.30	NR	NR	NR	NR	13
14	NR	NR	19.87	19.53	34.55	26.64	21.22	NR	NR	NR	NR	NR	14
15	NR	NR	19.84	19.47	35.91	24.99	21.56	NR	NR	NR	NR	NR	15
16	NR	18.28	19.66	19.37	36.25	23.80	22.05	18.42	NR	NR	NR	NR	16
17	NR	18.25	19.51	19.39	35.79	22.85	21.84	18.93	NR	NR	NR	NR	17
18	NR	18.22	19.69	19.22	35.13	21.94	21.10	19.09	NR	NR	NR	NR	18
19	NR	NR	19.87	19.24	34.43	21.29	20.05	18.86	NR	NR	NR	NR	19
20	NR	NR	20.17	21.24	33.82	20.96	19.51	18.58	NR	NR	NR	NR	20
21	NR	18.18	20.33	24.29	33.36	20.71	19.10	18.31	NR	NR	NR	NR	21
22	NR	18.60	20.50E	22.17	32.62	20.62	18.47	18.29	NR	NR	NR	NR	22
23	NR	18.70	20.51E	21.32	31.59	21.35	18.45	18.16	NR	NR	NR	NR	23
24	NR	18.70	19.92E	21.00	30.18	21.62	NR	18.07	NR	NR	NR	NR	24
25	NR	18.86	19.80E	20.74	28.51	21.11	NR	NR	NR	NR	NR	NR	25
26	NR	18.90	19.68E	20.51	26.90E	20.84	NR	NR	NR	NR	NR		26
27	NR	19.15	19.55E	20.34	25.44E	20.72	NR	NR	NR	NR	NR	NR	27
28	NR	19.25	19.45E	20.10	24.39E	20.77	18.49	18.24	NR	NR	NR	NR	28
29	NR	19.21	19.40E	19.94		20.75	18.76	18.36	NR	NR	NR	NR	29
30	NR	19.98	19.41E	19.76		20.79	18.46	18.29	NR	NR	NR	NR	30
31	NR		19.33E	19.66		20.69		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 1-61	2400	23.26	1-21-62	0250	25.26	2-15-62	2230	36.50	3-10-62	0820	32.36
12- 3-61	1800	25.16	2-11-62	0810	35.65	3- 3-62	0820	25.93	4-10-62	1210	22.92

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 49 19	121 32 34	NE 8 11N 4E				12/49-12/57	12/49-2/58 1/60-DATE #	1955	1955	0.00 0.34	USED USED

Station located at El Centro Boulevard bridge, 4.8 mi. NE of Verona. Tributary to Sacramento River. Backwater from the Sacramento River at times affects the stage-discharge relationship. Gage heights below 18.0 ft. are not recorded.

- Flood season only

TABLE 273

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT VERONA

STATION NO	WATER YEAR
A02150	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	12.20	12.03	15.38	13.03	12.91	23.00	19.80	17.18	16.52	12.35	12.36	13.33	1
2	12.08	11.99	18.39	12.92	12.92	23.58	20.10	16.77	16.20	12.44	12.28	13.40	2
3	11.85	12.00	23.03	12.63	12.90	25.20	20.41	16.60	16.14	12.36	12.35	13.58	3
4	11.67	12.06	23.87	12.50	12.85	24.71	20.57	16.99	15.94	12.35	12.30	13.73	4
5	11.57	12.03	22.58	12.55	12.69	23.81	20.86	17.60	15.43	12.39	12.54	14.04	5
6	11.53	11.89	20.68	12.67	12.69	24.38	21.30	18.21	14.63	12.33	12.62	14.34	6
7	11.57	11.80	18.90	12.68	13.00	28.29	21.66	18.50	14.02	12.08	12.56	14.55	7
8	11.48	11.79	17.41	12.69	13.52	30.44	21.96	18.65	13.96	11.92	12.77	14.59	8
9	11.47	11.80	16.20	12.79	16.33	31.52	22.25	18.85	13.96	12.00	12.79	14.72	9
10	11.41	11.83	15.36	12.82	27.07	31.93	22.50	19.18	13.88	12.00	13.05	14.47	10
11	11.39	11.79	14.65	12.72	33.79	31.35	22.33	19.22	14.22	12.00	13.19	14.08	11
12	11.43	11.77	14.07	12.75	33.70	30.10	21.67	18.56	14.33	11.92	13.27	14.05	12
13	11.54	11.77	13.69	12.74	33.10	28.28	20.92	17.99	14.25	12.00	13.17	14.15	13
14	11.66	11.80	13.31	12.65	33.93	26.32	20.80	17.60	14.14	12.08	13.10	14.14	14
15	11.69	11.88	13.17	12.50	34.82	24.51	21.17	17.37	14.26	12.11	13.13	14.04	15
16	11.64	11.88	13.11	12.47	35.47	23.28	21.77	17.15	14.90	12.13	12.93	13.97	16
17	11.60	11.85	13.07	12.39	35.29	22.20	21.49	17.32	14.91	12.13	12.85	13.71	17
18	11.58	11.85	13.05	12.33	34.73	21.14	20.70	17.35	14.97	12.21	12.79	13.52	18
19	11.69	11.90	13.04	12.36	34.00	20.27	19.67	17.04	14.91	12.18	12.94	13.39	19
20	11.57	12.00	13.05	14.12	33.42	19.72	19.07	17.09	14.63	12.04	13.11	13.42	20
21	11.54	12.20	14.80	18.25	32.96	19.40	18.49	16.56	14.47	12.02	13.09	13.30	21
22	11.59	12.29	18.82	19.29	32.26	19.10	17.51	16.02	14.26	12.26	13.05	13.22	22
23	11.63	12.40	19.28	17.41	31.23	19.79	17.04	15.85	14.07	12.24	12.98	13.27	23
24	11.66	12.50	17.40	15.54	29.77	19.83	17.23	16.24	13.23	12.14	12.96	13.24	24
25	11.73	12.50	15.80	14.34	28.18	19.56	17.57	16.10	12.61	12.33	13.00	13.16	25
26	11.80	12.88	14.62	13.72	26.65	19.12	17.60	15.71	12.44	12.42	13.18	12.97	26
27	11.83	14.59	13.90	13.39	25.07	18.90	17.15	15.66	12.84	12.15	13.26	12.69	27
28	11.90	15.60	13.42	13.13	23.80	19.05	17.12	15.60	13.12	12.04	13.31	NR	28
29	11.94	15.06	13.11	12.93		19.20	18.45	15.76	12.73	12.26	13.37	NR	29
30	12.00	14.59	13.18	12.79		19.40	17.98	16.36	12.39	12.31	13.36	NR	30
31	12.04		13.12	12.80		19.58		16.53		12.25	13.37		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	0600	24.00	1-22-62	0530	19.57	2-16-62	1430	35.55	3-10-62	0800	32.01
12-23-61	0030	19.85	2-11-62	1400	34.25	3- 3-62	1100	25.30	4-10-62	1600	22.54

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE23 11N 3E	79200	41.20	3/1/40	5/26-10/28 8 5/29-DATE	5/26-DATE	1926		-0.06	USED

Station located 0.8 mi. SE of Verona, 1.0 mi. below the Feather River. Maximum discharge listed is for period 1926 to date. Records furn. by USGS.
8 - Irrigation season only

TABLE 274

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT SACRAMENTO

STATION NO	WATER YEAR
A02100	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.90	2.69	4.57	3.13	3.18	11.52	8.97	7.50	5.90	3.87	4.06	4.43	1
2	2.75	2.56	6.09	3.22	3.29	11.52	9.19	7.05	5.84	4.07	4.13	4.42	2
3	2.69	2.51	8.64	2.96	3.33	13.20	9.39	6.87	5.90	4.07	4.13	4.47	3
4	2.72	2.43	9.85	2.97	3.37	13.49	9.49	7.01	5.75	4.05	3.96	4.44	4
5	2.76	2.48	9.41	2.94	3.28	13.11	9.63	7.25	5.41	4.13	3.95	4.46	5
6	2.97	2.47	8.22	3.03	3.25	13.15	9.85	7.63	4.97	3.99	3.94	4.60	6
7	2.70	2.53	7.14	3.12	3.87	15.67	10.11	7.87	4.61	3.78	3.80	4.96	7
8	2.13	2.63	6.26	3.28	4.00	17.84	10.38	8.21	4.55	3.60	3.78	4.99	8
9	2.49	2.71	5.51	3.31	5.89	18.97	10.57	8.01	4.47	3.55	3.83	5.31	9
10	2.72	3.00	4.97	3.25	12.58	19.52	10.69	8.09	4.34	3.55	3.97	5.29	10
11	2.49	2.77	4.44	3.07	19.75	19.28	10.62	8.14	4.21	3.58	4.25	4.95	11
12	2.42	2.45	4.00	3.18	20.65	18.39	10.41	7.81	4.40	3.72	4.39	4.98	12
13	2.43	2.43	3.76	3.05	20.31	16.96	9.99	7.39	4.76	3.67	4.36	4.92	13
14	2.54	2.54	3.50	2.91	20.87	15.27	9.86	7.25	4.56	3.86	4.41	4.88	14
15	2.58	2.60	3.42	2.76	22.18	13.65	9.97	6.87	4.49	3.97	4.37	4.71	15
16	2.65	2.60	3.39	2.93	22.74	12.49	10.25	6.65	4.89	4.13	4.41	4.61	16
17	2.80	2.52	3.42	2.99	22.71	11.58	10.27	6.55	5.01	4.41	4.45	4.66	17
18	2.90	2.53	3.42	3.06	22.33	10.82	9.84	6.71	4.95	4.55	4.28	4.67	18
19	3.30	2.67	3.47	3.31	21.67	10.27	9.26	6.53	4.90	4.31	4.24	4.35	19
20	3.02	2.82	3.50	4.07	21.09	9.74	8.64	6.34	4.81	4.07	4.34	4.31	20
21	2.91	2.95	3.75	5.86	20.62	9.29	8.27	6.02	4.79	3.89	4.39	4.17	21
22	2.58	2.73	6.02	6.79	20.07	9.24	7.67	5.77	4.81	3.90	4.49	4.07	22
23	2.59	2.92	7.15	6.18	19.29	9.43	7.39	5.79	4.87	3.94	4.65	4.08	23
24	2.65	3.28	6.15	5.01	18.23	9.33	7.60	5.83	4.15	3.93	4.49	4.17	24
25	2.76	3.55	5.14	4.10	16.79	8.98	7.72	5.73	3.67	3.97	4.44	4.32	25
26	2.95	3.35	4.29	3.53	15.37	8.58	7.72	5.51	3.47	4.05	4.63	4.29	26
27	2.98	3.69	3.60	3.14	13.58	8.32	7.61	5.42	3.54	4.06	4.55	4.14	27
28	2.65	4.38	3.18	2.87	12.18	8.36	7.51	5.40	3.83	4.15	4.52	3.90	28
29	2.04	4.55	2.95	2.79		8.62	8.27	5.47	4.08	4.26	4.78	3.71	29
30	2.33	4.31	2.92	2.81		8.67	8.37	5.79	3.83	4.31	4.69	3.67	30
31	2.68		2.93	3.00		8.69		5.89		4.16	4.65		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-12-62	0300	20.84	2-17-62	0610	22.77	3-10-62	1600	19.63	4-29-62	1640	8.54
2-16-62	0800	22.85	3- 3-62	1940	13.76	4-10-62	1400	10.90			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
			OF RECORD					PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104000	30.14	11/21/50	04- 05 6/21-11/21 5/24-12/42 8 5/43-DATE	1/04-7/05 20-DATE	 1956 1956	1956	0.12 0.00 2.98	USCGS USCGS USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence. Maximum discharge of record listed is for period 1921, 1948 to date. Records furn. by USGS.

Note: During periods of tidal influence, mean gage height listed is mean of four tides. See Table 108 for periods when tidal action is affected by flow.

8 - Irrigation season only

TABLE 275

DAILY MEAN GAGE HEIGHT

AMERICAN RIVER AT FAIR OAKS

STATION NO	WATER YEAR
A07175	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	0.95	0.73	0.78	0.83	0.65	3.82	3.87	3.86	2.02	2.56	3.01	2.44	1
2	0.83	0.72	0.79	0.85	0.74	3.87	3.87	3.85	2.01	2.72	3.02	2.53	2
3	0.83	0.71	0.80	0.63	0.74	4.88	3.87	3.62	2.11	2.70	3.02	2.54	3
4	0.83	0.70	0.78	0.60	0.72	4.93	3.87	3.61	2.06	2.68	3.04	2.55	4
5	0.82	0.70	0.78	0.60	0.72	4.99	3.86	3.40	2.06	2.68	3.21	2.52	5
6	0.82	0.72	0.78	0.59	0.72	4.94	3.85	3.44	2.06	2.69	2.95	2.53	6
7	0.83	0.72	0.79	0.58	0.71	4.95	3.83	3.50	2.06	2.70	2.94	2.54	7
8	0.84	0.72	0.79	0.58	0.70	4.95	3.83	3.39	2.06	2.70	2.95	2.47	8
9	0.82	0.72	0.80	0.58	0.71	4.95	3.83	3.04	2.03	2.72	2.94	2.47	9
10	0.83	0.72	0.82	0.57	2.54	4.94	3.90	3.05	2.00	2.76	3.05	2.53	10
11	0.82	0.73	0.83	0.57	3.86	4.93	3.86	3.05	2.01	2.98	3.05	2.51	11
12	0.83	0.73	0.81	0.57	3.94	4.93	4.36	3.05	2.00	3.01	3.06	2.48	12
13	0.82	0.73	0.82	0.57	4.02	4.93	4.37	3.10	2.03	3.03	3.10	2.31	13
14	0.82	0.75	0.83	0.59	4.01	4.93	4.24	3.05	2.02	3.03	3.08	2.46	14
15	0.84	0.75	0.84	0.60	4.16	4.87	4.25	2.70	2.00	3.04	3.06	2.45	15
16	0.84	0.74	0.84	0.56	4.32	4.88	4.24	2.41	2.02	3.05	3.02	2.45	16
17	0.83	0.77	0.81	0.57	5.03	4.83	4.23	2.45	2.01	3.06	3.07	2.44	17
18	0.82	0.78	0.80	0.59	5.03	4.86	4.23	2.44	2.02	3.06	3.03	2.43	18
19	0.82	0.78	0.83	0.59	5.01	4.85	4.23	2.10	2.02	3.02	3.04	2.42	19
20	0.82	0.72	0.82	0.58	5.00	4.83	4.23	2.05	2.02	3.04	3.03	2.42	20
21	0.82	0.80	0.82	0.58	5.00	4.81	4.23	2.10	2.02	3.04	3.02	2.42	21
22	0.83	0.79	0.83	0.58	4.99	4.87	4.26	2.10	2.02	3.03	3.02	2.35	22
23	0.83	0.80	0.83	0.58	4.95	4.84	4.32	2.08	2.02	3.04	3.01	2.34	23
24	0.76	0.80	0.82	0.58	4.95	4.43	4.33	2.06	2.05	3.04	2.85	2.38	24
25	0.75	0.80	0.83	0.58	4.95	4.38	4.35	2.06	2.10	3.03	2.90	2.36	25
26	0.76	0.80	0.82	0.59	4.91	4.13	4.34	2.06	2.07	3.03	2.88	2.41	26
27	0.76	0.81	0.83	0.59	3.83	3.93	4.38	2.01	2.03	3.04	2.89	2.37	27
28	0.77	0.81	0.83	0.59	3.85	3.88	4.40	2.00	2.04	3.03	2.89	2.29	28
29	0.78	0.80	0.83	0.59		3.87	4.40	2.00	2.04	3.02	2.89	2.36	29
30	0.79	0.80	0.83	0.59		3.87	4.31	1.99	2.05	3.03	2.89	2.27	30
31	0.78		0.83	0.59		3.87		1.99		2.99	2.89		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3- 4-62	2400	5.12									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 38 08	121 13 36	NE17 9N 7E	180000	31.85	11/21/50	NOV 04-DATE	NOV 04-DATE	1904	1930	65.79	USCOS
								1930	1957	64.79	USCOS
								1957		77.53	USCOS

Station located 2,100 ft. below Nimbus Dam, 2.4 mi. E of Fair Oaks. Flow regulated by Folsom Reservoir.
Maximum discharge listed at gage ht., site and datum then in use. Records furn. by USGS.
Drainage area is 1,889 sq. mi.

TABLE 276

DAILY MEAN GAGE HEIGHT

AMERICAN RIVER AT SACRAMENTO

STATION NO	WATER YEAR
A07140	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.40	17.11	17.14	17.09	16.85	20.05	20.13	20.12	18.32	18.69	19.19	18.75	1
2	17.19	17.08	17.17	17.10	16.98	20.04	20.13	20.08	18.31	18.96	19.18	18.76	2
3	17.18	17.08	17.12	16.99	16.99	21.08	20.14	19.85	18.38	18.95	19.20	18.79	3
4	17.18	17.07	17.09	16.88	16.99	21.33	20.13	19.83	18.37	18.92	19.23	18.80	4
5	17.17	17.07	17.09	16.86	16.98	21.43	20.13	19.65	18.35	18.93	19.38	18.78	5
6	17.17	17.08	17.09	16.86	17.00	21.43	20.12	19.65	18.35	18.94	19.24	18.78	6
7	17.18	17.09	17.09	16.84	17.02	21.79	20.10	19.70	18.36	18.96	19.18	18.77	7
8	17.18	17.08	17.10	16.84	16.99	22.59	20.10	19.65	18.35	18.95	19.18	18.74	8
9	17.19	17.07	17.10	16.85	17.29	23.31	20.10	19.32	18.33	18.96	19.18	18.70	9
10	17.18	17.08	17.10	16.85	18.73	23.69	20.19	19.27	18.32	18.98	19.27	18.76	10
11	17.19	17.08	17.13	16.86	23.33	23.55	20.11	19.26	18.31	19.19	19.27	18.76	11
12	17.19	17.08	17.11	16.87	24.21	22.98	20.56	19.27	18.30	19.23	19.31	18.72	12
13	17.17	17.08	17.09	16.86	23.91	22.25	20.67	19.31	18.33	19.24	19.32	18.62	13
14	17.17	17.08	17.11	16.86	24.40	21.70	20.56	19.30	18.33	19.22	19.33	18.73	14
15	17.19	17.09	17.12	16.89	25.63	21.37	20.55	19.00	18.31	19.23	19.32	18.72	15
16	17.20	17.08	17.12	16.86	26.14	21.29	20.55	18.72	18.33	19.23	19.25	18.71	16
17	17.18	17.08	17.10	16.84	26.30	21.21	20.54	18.67	18.33	19.23	19.30	18.71	17
18	17.18	17.09	17.09	16.86	25.95	21.22	20.52	18.72	18.32	19.24	19.28	18.69	18
19	17.17	17.10	17.11	16.89	25.48	21.20	20.50	18.43	18.32	19.21	19.26	18.69	19
20	17.17	17.10	17.10	16.92	24.97	21.17	20.51	18.34	18.33	19.21	19.26	18.69	20
21	17.18	17.07	17.09	16.86	24.59	21.12	20.49	18.37	18.32	19.21	19.25	18.69	21
22	17.17	17.09	17.11	16.86	24.16	21.16	20.53	18.37	18.32	19.21	19.25	18.62	22
23	17.18	17.09	17.11	16.85	23.61	21.19	20.57	18.36	18.32	19.22	19.25	18.61	23
24	17.15	17.09	17.10	16.84	22.90	20.81	20.59	18.35	18.33	19.21	19.10	18.63	24
25	17.12	17.11	17.09	16.84	22.13	20.69	20.63	18.35	18.37	19.20	19.14	18.63	25
26	17.13	17.10	17.10	16.84	21.69	20.46	20.62	18.38	18.37	19.22	19.12	18.66	26
27	17.13	17.09	17.10	16.86	20.32	20.24	20.65	18.34	18.32	19.21	19.13	18.64	27
28	17.13	17.10	17.09	16.86	20.06	20.15	20.66	18.29	18.32	19.21	19.12	18.56	28
29	17.13	17.14	17.10	16.86		20.14	20.63	18.31	18.32	19.21	19.13	18.61	29
30	17.16	17.17	17.09	16.85		20.12	20.63	18.30	18.34	19.22	19.13	18.62	30
31	17.13		17.09	16.85		20.14		18.30		19.19	19.12		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-12-62	0310	24.34	2-17-62	0650	26.36	3- 6-62	0000	21.50			
2-16-62	0650	26.19	3- 5-62	0430	21.53	3-10-62	1630	23.74			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 34 08	121 25 22	SW 3 8N 5E	176000	45.73	11/21/50	7/21-10/21 5/24-12/42 8 5/43- 9/59	7/21-10/21 6/24-11/24 6/25-DATE	1921 1921		0.00 -3.07	USED USCGS

Station located at H Street bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge.

8 - Irrigation season only

TABLE 277

DAILY MEAN GAGE HEIGHT

SCOTT CREEK AT UPPER LAKE

STATION NO	WATER YEAR
A81880	1962

DATE	OCT.	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	3.31	4.77	9.30	5.10	5.11	7.97	8.46	8.14	7.22	6.17	4.94	1.93	1
2	3.37	4.76	7.84	5.08	5.07	8.45	8.48	8.10	7.11	6.12	4.86	1.88	2
3	3.38	4.76	7.07	5.06	5.06	8.61	8.48	7.96	7.17	6.11	4.72	1.88	3
4	3.46	4.76	6.58	5.02	5.04	8.67	8.48	8.01	7.14	6.09	4.72	1.86	4
5	3.45	4.76	6.16	5.00	5.03	9.08	8.47	8.04	7.19	5.96	4.66	1.84	5
6	3.45	4.76	5.82	4.99	5.06	12.18	8.47	7.96	7.13	5.97	4.64	1.76	6
7	3.45	4.76	5.56	4.98	5.27	11.64	8.44	8.00	7.08	5.98	4.51	1.69	7
8	3.50	4.76	5.40	4.96	6.12	10.46	8.36	7.98	7.06	5.93	4.54	1.61	8
9	3.56	4.76	5.29	4.95	8.21	9.49	8.40	7.94	7.04	5.90	4.61	1.47	9
10	3.57	4.75	5.22	4.93	9.11	9.11	8.41	7.90	6.99	5.80	4.54	1.45	10
11	3.70	4.75	5.14	4.92	8.18	8.88	8.43	7.85	6.97	5.75	4.44	1.44	11
12	3.85	4.75	5.09	4.91	7.66	8.73	8.44	7.80	6.93	5.73	4.41	1.42	12
13	3.89	4.75	5.06	4.92	12.03	8.56	8.45	7.78	6.96	5.74	4.36	1.40	13
14	3.98	4.76	5.03	4.87	11.94	8.55	8.45	7.74	6.95	5.70	4.08	1.39	14
15	4.08	4.75	5.00	4.85	13.18	8.50	8.41	7.70	6.86	5.65	3.82	1.38	15
16	4.14	4.75	5.00	4.85	12.50	8.49	8.43	7.75	6.82	5.61	3.78	1.40	16
17	4.25	4.75	5.00	4.85	10.99	8.53	8.42	7.74	6.77	5.57	3.60	1.36	17
18	4.35	4.75	5.00	4.84	10.11	8.51	8.41	7.66	6.73	5.54	3.45	1.33	18
19	4.43	4.75	5.12	4.89	9.43	8.51	8.26	7.34	6.70	5.50	3.27	1.32	19
20	4.48	3.87	5.70	6.53	8.78	8.51	8.35	7.56	6.67	5.46	3.11	1.44	20
21	4.52	2.41	6.05	6.22	8.41	8.50	8.36	7.57	6.63	5.40	2.99	1.52	21
22	4.55	2.07	5.95	5.94	8.18	8.59	8.34	7.50	6.60	5.37	2.81	1.57	22
23	4.57	1.96	5.78	5.72	7.98	8.63	8.32	7.36	6.58	5.32	2.72	1.63	23
24	4.61	2.15	5.63	5.56	7.89	8.55	8.23	7.50	6.51	5.28	2.59	1.67	24
25	4.66	4.61	5.49	5.45	7.80	8.50	8.21	7.45	6.37	5.24	2.44	1.70	25
26	4.73	3.99	5.38	5.37	7.77	8.46	8.17	7.43	6.36	5.22	2.36	1.74	26
27	4.76	3.90	5.30	5.29	7.74	8.44	8.25	7.44	6.37	5.16	2.28	1.79	27
28	4.76	3.83	5.24	5.24	7.76	8.44	8.15	7.44	6.37	5.13	2.19	2.43	28
29	4.75	3.88	5.19	5.19		8.43	8.19	7.35	6.32	5.08	2.12	2.67	29
30	4.75	5.48	5.15	5.16		8.43	8.16	7.32	6.25	4.97	2.10	2.80	30
31	4.76		5.12	5.13		8.45		7.20		5.01	2.06		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 1-61	1300	9.46	2-13-62	2200	12.78	2-15-62	1700	13.21	3- 6-62	1310	12.19
2-10-62	0800	9.16	2-15-62	1010	13.20	2-18-62	0740	10.25	3- 6-62	2120	12.21

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		14.94	2/1/63		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 bridge, 0.7 mi. SW of Upper Lake. Gage ht. reflects the elevation of Clear Lake as well as flow of Scott Creek. Daily gage height shown is at 12 Noon.

TABLE 278

DAILY MEAN GAGE HEIGHT

CACHE CREEK AT YOLO

STATION NO	WATER YEAR
A08125	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	NF	NF	NF	1.18	2.64	2.54	1.77	NF	NF	NF	NF	1
2	NF	NF	5.65A	NF	1.15	3.95	2.49	1.50A	NF	NF	NF	NF	2
3	NF	NF	3.74	NF	1.13	3.59	2.45	NF	NF	NF	NF	NF	3
4	NF	NF	2.52	NF	1.11	3.10	2.46	NF	NF	NF	NF	NF	4
5	NF	NF	1.97	NF	1.08	2.99	2.56	NF	NF	NF	NF	NF	5
6	NF	NF	1.69	NF	1.06	12.29	2.44	NF	NF	NF	NF	NF	6
7	NF	NF	1.50	NF	1.04	11.77	2.54	NF	NF	NF	NF	NF	7
8	NF	NF	NF	NF	1.03	10.02	2.72	NF	NF	NF	NF	NF	8
9	NF	NF	NF	NF	4.35A	9.24	2.71	NF	NF	NF	NF	NF	9
10	NF	NF	NF	NF	6.18	8.80	2.58	NF	NF	NF	NF	NF	10
11	NF	NF	NF	NF	4.12	8.42	2.04	NF	NF	NF	NF	NF	11
12	NF	NF	NF	NF	3.22	8.15	1.98	NF	NF	NF	NF	NF	12
13	NF	NF	NF	NF	5.78	7.90	1.89	NF	NF	NF	NF	NF	13
14	NF	NF	NF	NF	11.04	4.61	1.70A	NF	NF	NF	NF	NF	14
15	NF	NF	NF	NF	17.89	3.50	NF	NF	NF	NF	NF	NF	15
16	NF	NF	NF	NF	10.02	3.28	NF	NF	NF	NF	NF	NF	16
17	NF	NF	NF	NF	6.97	3.09	NF	NF	NF	NF	NF	NF	17
18	NF	NF	NF	NF	5.64	2.99	NF	NF	NF	NF	NF	NF	18
19	NF	NF	NF	NF	6.68	2.88	NF	NF	NF	NF	NF	NF	19
20	NF	NF	NF	NF	5.02	2.82	1.82A	NF	NF	NF	NF	NF	20
21	NF	NF	NF	2.27A	4.34	3.10	1.89	NF	NF	NF	NF	NF	21
22	NF	NF	NF	2.02	3.80	4.45	1.96	NF	NF	NF	NF	NF	22
23	NF	NF	NF	1.78	3.39	5.27	1.98	NF	NF	NF	NF	NF	23
24	NF	NF	NF	1.60	3.17	5.10	1.93	NF	NF	NF	NF	NF	24
25	NF	NF	NF	1.48	2.99	4.99	1.88	NF	NF	NF	NF	NF	25
26	NF	NF	NF	1.36	2.87	4.94	1.86	NF	NF	NF	NF	NF	26
27	NF	NF	NF	1.31	2.70	3.91	1.83	NF	NF	NF	NF	NF	27
28	NF	NF	NF	1.29	2.60	2.88	1.83	NF	NF	NF	NF	NF	28
29	NF	NF	NF	1.26		2.73	1.82	NF	NF	NF	NF	NF	29
30	NF	NF	NF	1.23		2.66	1.82	NF	NF	NF	NF	NF	30
31	NF		NF	1.20		2.60		NF		NF	NF		31

E - Estimated
NR - No Record
NF - No Flow

A - Mean gage height for period of flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 2-61	0730	7.28	2-14-62	0300	15.06	2-19-62	0500	7.65	3- 8-62	0820	10.62
2-10-62	0300	7.37	2-15-62	1000	23.33	3- 6-62	1240	17.05	3-23-62	0730	5.37

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 43 30	121 48 25		41400	33.11	2/25/58	JAN 03-DATE	JAN 03-DATE	1903	1930	58.24	USCOS
								1930	1954	56.27	USCOS
								1954		52.27	USCOS
								1954		55.1	USED

Station located 800 ft. above U. S. Highway 99W bridge, 0.5 mi. S of Yolo. Tributary to Yolo Bypass.
Records furn. by USGS. Drainage area is 1,137 sq. mi.

TABLE 279

DAILY MEAN GAGE HEIGHT

YOLO BYPASS NR WOODLAND

STATION NO	WATER YEAR
A02935	1962

DATE	OCT	NOV.	DEC	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	NR	NR	NR	NR	NR	17.25	12.10	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	NR	17.25	11.75	NR	NR	NR	NR	NR	2
3	NR	NR	15.15	NR	NR	17.59	11.66	NR	NR	NR	NR	NR	3
4	NR	NR	18.25	NR	NR	16.82	11.72	NR	NR	NR	NR	NR	4
5	NR	NR	18.39	NR	NR	16.21	NR	NR	NR	NR	NR	NR	5
6	NR	NR	17.29	NR	NR	18.35	NR	NR	NR	NR	NR	NR	6
7	NR	NR	14.50	NR	NR	21.87	NR	NR	NR	NR	NR	NR	7
8	NR	NR	12.22	NR	NR	21.50	NR	NR	NR	NR	NR	NR	8
9	NR	NR	10.62	NR	NR	21.25	NR	NR	NR	NR	NR	NR	9
10	NR	NR	9.75	NR	15.59	21.56	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	21.11	21.18	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	24.73	20.60	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	23.15	20.26	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	24.04	19.54	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	26.17	17.43	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	26.88	16.52	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	26.95	16.00	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	26.45	15.38	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	25.70	14.60	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	25.00	13.82	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	24.35	13.37	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	23.03	14.44	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	21.20	16.49	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	20.16	17.12	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	20.30	17.05	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	19.97	16.96	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	19.39	16.67	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	18.14	14.72	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		13.24	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		12.60	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		12.30		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	2130	18.52	2-12-62	0700E	24.96E	3- 7-62	1030	21.90	3-24-62	0900	17.15
2-10-62	2200	18.22	2-16-62	1900	27.03	3-10-62	1420	21.62			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 40 40	121 38 35	SE28 10N 3E	272000	32.00	2/8/42	3/30-10/38 8 1/39-DATE	40-41 # 41-DATE	1930 1941	1941	0.73 0.00	USED USED

Station located juat above the Sacramento-Woodland Railroad bridge, 6 mi. above the Sacramento Bypass, 7 mi. below Fremont Weir, 7 mi. E of Woodland. Gage heights for low flow are not recorded. Records furn. by USGS.

8 - Irrigation seaaon only
- Flood seaaon only

TABLE 280

DAILY MEAN GAGE HEIGHT

YOLO BYPASS ABOVE SACRAMENTO BYPASS

STATION NO	WATER YEAR
A02910	1962

DATE	OCT	NOV.	DEC.	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	9.79	9.76	NR	NR	NR	15.57	11.14	10.38	10.75	10.19	10.71	NR	1
2	9.73	9.75	NR	NR	NR	15.52	10.92	10.42	10.76	10.20	10.56	NR	2
3	9.67	9.75	13.11	NR	NR	15.71	10.71	10.38	10.80	10.21	10.64	NR	3
4	9.61	9.76	15.93	NR	NR	15.29	10.60	10.41	10.64	10.26	10.74	NR	4
5	9.54	9.75	16.27	NR	NR	14.84	10.64	10.43	10.51	10.23	10.80	NR	5
6	9.49	9.74	15.81	NR	NR	15.69	10.32	10.34	10.49	10.17	10.84	NR	6
7	9.56	NR	14.19	NR	NR	17.16	9.72	10.35	10.53	10.21	10.84	NR	7
8	9.49E	NR	11.97	NR	NR	17.21	10.12	10.38	10.48	10.22	10.79	NR	8
9	NR	NR	10.39	NR	NR	17.13	10.72	10.53	10.49	10.25	10.74	NR	9
10	NR	NR	NR	NR	13.19	17.21	10.57	10.57	10.49	10.25	10.71	NR	10
11	NR	NR	NR	NR	16.66	17.13	10.03	10.59	10.50	10.19	10.73	NR	11
12	NR	NR	NR	NR	17.74	17.00	NR	10.58	10.51	10.17	10.83	NR	12
13	NR	NR	NR	NR	17.74	16.86	NR	10.61	10.48	10.21	10.77	NR	13
14	NR	NR	NR	NR	17.81	16.68	NR	10.67	10.49	10.26	10.61	NR	14
15	NR	NR	NR	NR	18.93	15.78	NR	10.72	10.46	10.25	10.51	NR	15
16	NR	NR	NR	NR	20.07	15.22	NR	10.77	10.57	10.21	10.47	NR	16
17	NR	NR	NR	NR	20.38	14.87	NR	10.72	10.79	10.21	10.44	NR	17
18	NR	NR	NR	NR	19.98	14.43	NR	10.68	10.84	10.21	10.54	NR	18
19	NR	NR	NR	NR	19.00	13.70	NR	10.73	10.77	10.22	10.71	NR	19
20	NR	NR	NR	NR	18.21	12.94	NR	10.75	10.70	10.23	10.70	NR	20
21	9.49	NR	NR	NR	17.80	12.39	NR	10.70	10.64	10.31	10.60	10.57	21
22	9.55	NR	NR	NR	17.54	12.89	NR	10.68	10.57	10.40	10.52	10.20	22
23	9.56	NR	NR	NR	17.26	14.75	NR	10.73	10.57	10.56	10.51	NR	23
24	9.61	NR	NR	NR	17.06	15.26	NR	10.65	10.57	10.77	10.79	NR	24
25	9.64	NR	NR	NR	16.92	15.27	NR	10.70	10.50	10.92	11.01	NR	25
26	9.67	NR	NR	NR	16.84	15.21	9.92	10.77	10.51	11.03	11.05	NR	26
27	9.72	NR	NR	NR	16.60	15.08	10.17	10.74	10.49	10.99	11.05	NR	27
28	9.78	NR	NR	NR	16.11	13.76	10.43	10.69	10.27	10.96	11.01	NR	28
29	9.83	NR	NR	NR		12.33	10.70	10.66	10.13	11.04	10.97	NR	29
30	9.76	NR	NR	NR		11.62	10.43	10.66	10.10	11.06	10.93	NR	30
31	9.71		NR	NR		11.31		10.71		10.93	10.87		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	2400	16.31	2-12-62	1600	17.82	3- 7-62	2400	17.23	3-24-62	1920	15.30
2-10-62	2400	15.92	2-16-62	2400	20.44	3-10-62	1910	17.23			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 35 58	121 35 22	NE25 9N 3E		26.9	12/24/55		25-DATE	1925		0.00	USED
								1925		-3.07	USCOS

Station located at intersection of east levee of Yolo Bypass and north levee of Sacramento Bypass, 5.6 mi. NW of Sacramento. Gage heights below 9.45± are not recorded.

TABLE 281

DAILY MEAN GAGE HEIGHT

PUTAH CREEK NR WINTERS

STATION NO	WATER YEAR
A91250	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	5.46	3.74	4.63	4.70	4.90	4.71	5.06	6.55	6.77	7.05	6.97	6.39	1
2	5.42	3.77	4.45	4.55	4.90	4.44	5.18	6.53	7.03	6.91	7.00	6.34	2
3	5.50	3.79	3.89	4.38	4.90	4.10	5.41	6.53	7.10	6.85	7.02	6.44	3
4	5.46	3.79	3.86	4.39	4.90	4.05	5.48	6.60	7.01	6.92	6.92	6.48	4
5	5.42	3.78	4.45	4.38	4.89	4.32	5.58	6.64	6.97	6.99	6.76	6.34	5
6	5.42	3.79	4.92	4.39	4.89	5.17	5.65	6.67	6.99	7.06	6.57	6.46	6
7	5.28	3.79	4.86	4.39	4.88	4.65	5.69	6.60	6.93	7.17	6.58	6.56	7
8	4.97	3.79	4.81	4.21	4.88	4.42	5.65	6.65	6.97	7.12	6.66	6.56	8
9	4.88	3.79	4.80	4.50	5.06	4.29	5.67	6.69	6.99	7.06	6.67	6.56	9
10	4.78	3.80	4.80	5.01	4.18	4.20	5.74	6.70	7.12	6.98	6.57	6.37	10
11	4.63	3.80	4.48	4.40	4.41	4.14	5.77	6.70	7.18	6.94	6.57	6.37	11
12	4.58	3.79	3.82	4.18	4.80	4.11	5.86	6.70	7.08	6.94	6.50	6.33	12
13	4.58	4.12	3.83	3.85	5.41	4.08	6.02	6.70	7.10	6.90	6.47	6.30	13
14	4.58	4.33	3.83	3.85	4.95	4.06	6.05	6.76	7.19	6.87	6.55	6.20	14
15	4.58	4.20	3.84	3.85	5.27	4.05	5.87	6.78	7.18	6.81	6.58	6.15	15
16	4.93	3.96	4.22	3.85	4.51	4.44	5.81	6.79	7.06	6.97	6.44	5.92	16
17	5.17	3.77	4.60	3.85	4.23	4.71	5.92	6.74	6.96	7.14	6.40	5.77	17
18	5.20	3.80	4.34	3.85	4.54	4.63	6.02	6.72	6.83	7.05	6.44	5.68	18
19	5.12	3.80	3.83	3.87	4.78	4.58	6.08	6.83	6.79	7.14	6.38	6.04	19
20	5.02	3.83	3.83	3.91	4.37	4.58	5.99	6.81	6.90	7.21	6.44	5.94	20
21	4.86	3.82	4.02	3.85	4.22	4.82	5.94	6.86	6.80	7.26	6.58	5.86	21
22	4.92	3.81	4.26	4.42	4.13	4.55	5.94	7.03	6.88	7.17	6.59	5.83	22
23	4.75	3.82	4.26	4.88	4.08	3.99	5.94	7.07	6.77	7.10	6.60	5.77	23
24	4.41	3.82	4.38	4.88	4.29	4.34	6.12	7.08	6.88	7.04	6.74	5.68	24
25	4.30	3.82	4.70	4.90	4.69	4.65	6.16	7.12	7.04	7.04	6.73	5.65	25
26	4.30	3.81	4.70	4.90	4.84	4.78	6.25	7.12	7.16	6.96	6.57	5.57	26
27	4.30	3.80	4.70	4.90	4.85	4.75	6.28	7.00	7.16	6.91	6.61	5.65	27
28	4.30	4.52	4.70	4.90	4.85	4.60	6.21	6.87	7.30	6.91	6.63	5.63	28
29	4.22	5.09	4.70	4.90		4.69	6.35	6.67	7.27	6.83	6.50	5.57	29
30	4.10	4.82	4.70	4.90		4.83	6.53	6.81	7.14	6.85	6.35	5.56	30
31	3.81		4.70	4.90		4.98		6.67		6.97	6.30		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 9-62	0750	6.32	2-14-62	2300	6.71	3- 5-62	2210	6.04	6-28-62	0900	7.38
2-13-62	1350	6.62	2-18-62	2040	5.87	3- 6-62	1140	5.39	6-29-62	0700	7.38

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 30 55	122 04 50	NE28 8N 2W	81000	30.5	2/27/40	JUL 30-DATE	JUN 30-DATE	1930 1940	1940	161.8 160.75	USCOS USCOS

Station located 1.3 mi. below Monticello Dam, 6 mi. W of Winters. Flow regulated by Lake Berryessa.
Low-water records are not equivalent to records near Davis. Records furn. by USGS. Drainage area is 577 sq. mi.

TABLE 282

DAILY MEAN GAGE HEIGHT

CHOWCHILLA RIVER NEAR RAYMOND

STATION NO	WATER YEAR
864200	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	NR	NR	70.92	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	NR	71.04	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	NR	71.63	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	NR	71.01	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	NR	70.94	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	NR	73.06	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	70.08	73.30	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	71.17	72.02	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	75.19	71.72	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	80.09	71.46	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	77.98	71.36	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	73.86	71.31	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	72.82	71.15	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	73.71	71.06	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	NR	76.32	71.02	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	NR	75.73	70.99	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	NR	73.06	70.95	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	NR	72.27	70.90	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	72.16	70.85	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	72.00	70.84	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	71.59	70.84	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	71.28	70.97	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	71.15	71.44	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	71.12	70.98	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	71.12	70.89	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	71.10	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	71.05	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	70.96	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	NR		NR		NR		NR	NR		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2/ 9/62	2000	581.5	2/15/62	1040	578.8	3/ 6/62	1200	574.5			
2/10/62	1400	581.4	2/16/62	0900	577.0	3/ 7/62	0100	575.0			
2/14/62	0220	575.9	3/ 3/62	0150	572.4	3/22/62	1400	571.8			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	TO	ZERO ON GAGE	REF. DATUM
37 15 36	119 56 42	SE 1 8S 22E	5570	81.53	2/10/62	NOV 59-DATE	NOV 59-DATE	1959		0.00	USCGS

Station located 6.0 mi. NW of Raymond on Raymond Road. Elevation of station is approximately 600 ft. USCGS datum. This station was installed in cooperation with Madera County and Chowchilla Water District. It is a flood control warning station, equipped with a Stevens Surface Detector and Telemark. Low flows are not recorded. Prior to 1962, high flow records were insufficient for publication. Discharge measurements and partial records are available in DWR files for period prior to 1962 water year. Add 500 ft. to gage heights to obtain elevations.

TABLE 283

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE

STATION NO	WATER YEAR
807375	1962

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	54.40	54.07	54.61	54.52	54.99	59.20	56.58	55.54	55.86	54.87	55.03	55.12	1
2	54.36	54.01	54.66	54.46	54.93	58.98	56.57	55.54	55.65	55.02	55.09	55.08	2
3	54.43	54.00	54.77	54.45	54.89	58.65	56.53	55.53	55.58	54.98	55.10	55.12	3
4	54.39	53.99	54.78	54.50	54.91	58.61	56.48	55.42	55.55	55.02	54.97	55.18	4
5	54.39	53.97	54.75	54.51	54.92	58.66	56.33	55.47	55.49	55.08	54.93	55.12	5
6	54.42	53.94	54.78	54.47	54.93	58.53	56.18	55.43	55.56	55.02	55.05	55.14	6
7	54.52	53.99	54.72	54.69	54.94	59.10	56.12	55.46	55.70	55.02	55.05	55.11	7
8	54.44	53.99	54.68	54.94	54.96	60.61	56.05	55.37	55.50	55.07	55.07	55.09	8
9	54.38	53.96	54.68	55.09	55.29	61.51	56.04	55.48	55.47	55.17	55.03	55.25	9
10	54.34	53.95	54.64	55.17	56.37	61.55	56.09	55.83	55.43	55.09	54.98	55.34	10
11	54.26	54.02	54.61	55.17	59.13	60.78	56.07	56.02	55.43	55.26	55.01	55.24	11
12	54.18	54.03	54.60	55.14	61.81	59.84	55.96	55.62	55.32	55.30	55.09	55.14	12
13	54.20	53.97	54.59	55.12	63.64	59.16	55.91	55.37	55.23	55.20	55.18	55.07	13
14	54.23	53.95	54.60	55.14	64.09	58.69	55.91	55.41	55.16	55.13	55.12	55.14	14
15	54.19	54.05	54.60	55.14	64.13	58.33	55.88	55.62	55.32	55.22	55.04	55.05	15
16	54.18	54.12	54.61	55.06	64.24	58.04	55.87	55.75	55.37	55.28	55.08	54.98	16
17	54.17	54.18	54.69	54.98	64.69	57.68	55.85	55.74	55.39	55.33	54.93	54.94	17
18	54.14	54.16	54.77	54.92	64.89	57.49	55.84	55.69	55.39	55.31	54.93	54.99	18
19	54.13	54.11	54.80	54.88	64.77	57.33	55.87	55.70	55.48	55.22	54.99	55.00	19
20	54.11	54.28	54.80	54.96	64.42	57.15	55.82	55.75	55.53	55.12	55.00	54.98	20
21	54.08	54.28	54.77	55.06	63.96	56.97	55.75	55.83	55.36	55.04	54.98	54.92	21
22	54.06	54.31	54.70	55.14	63.47	56.87	55.68	55.93	55.18	54.97	54.98	54.90	22
23	54.03	54.40	54.58	55.08	62.84	56.73	55.68	55.95	55.11	55.14	54.87	54.89	23
24	54.06	54.47	54.53	55.01	62.00	56.61	55.69	55.87	55.06	55.20	54.91	54.90	24
25	54.06	54.50	54.48	54.98	61.05	56.55	55.66	55.87	55.01	55.14	54.99	54.91	25
26	54.04	54.51	54.48	54.93	60.22	56.53	55.56	55.82	54.98	55.08	54.98	54.78	26
27	54.02	54.48	54.61	54.93	59.64	56.61	55.55	55.87	54.94	54.88	55.14	54.60	27
28	54.03	54.46	54.62	55.01	59.41	56.76	55.57	55.94	55.00	54.83	55.11	54.60	28
29	54.00	54.44	54.56	55.01		56.75	55.43	55.97	55.03	54.86	55.15	54.68	29
30	54.09	54.52	54.47	55.02		56.68	55.44	55.95	54.90	54.87	55.08	54.68	30
31	54.08		54.47	55.02		56.61		55.94		54.92	55.11		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-62	1200	64.13	2-17-62	2400	64.85						
2-15-62	1800	64.15	2-18-62	1400	64.91						
2-16-62	2400	64.46	3-10-62	0100	61.70						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 18 35	120 55 45		5910	71.14	4/ 6/58	FEB 37-DATE	APR 37-DATE	1944	1957	-3.73	USCGS
								1957	1959	-3.77	USCGS
								1959		0.00	USCGS

Station located 30 ft. below Fremont Ford Bridge, 4.5 mi. W of Stevinson, 6.7 mi. above the Merced River. During periods of high flow, some water bypasses station through Mud Slough. Maximum discharge of record is for period 1944 to date. Records furn. by U.S.G.S. Drainage area is approx. 8,090 sq. mi.

TABLE 284

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER NEAR STEVINSON

STATION NO	WATER YEAR
807400	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	60.92	60.63	60.60	60.50	60.78	65.12	62.33	61.49	62.12	61.21	61.33	61.30	1
2	60.91	60.60	60.66	60.52	60.73	64.81	62.30	61.51	61.94	61.41	61.38	61.27	2
3	60.93	60.58	60.75	60.49	60.72	64.53	62.29	61.46	61.92	61.56	61.39	61.22	3
4	61.00	60.56	60.70	60.47	60.75	64.91	62.17	61.44	61.86	61.50	61.27	61.31	4
5	61.01	60.56	60.63	60.47	60.81	64.84	62.09	61.44	61.77	61.40	61.37	61.38	5
6	60.88	60.56	60.61	60.78	60.84	64.80	62.06	61.38	61.57	61.31	61.49	61.38	6
7	60.79	60.55	60.59	61.42	60.88	66.21	61.96	61.35	61.41	61.23	61.54	61.25	7
8	60.72	60.54	60.57	61.54	60.88	67.91	61.87	61.43	61.38	61.22	61.58	61.30	8
9	60.78	60.53	60.57	61.52	61.47	68.61	61.83	61.45	61.40	61.20	61.53	61.46	9
10	60.76	60.58	60.55	61.44	63.81	68.05	61.95	61.43	61.39	61.27	61.38	61.51	10
11	60.73	60.56	60.53	61.35	67.24	67.03	61.94	61.38	61.41	61.27	61.33	61.43	11
12	60.73	60.54	60.52	61.26	70.27	66.21	61.89	61.40	61.41	61.27	61.54	61.48	12
13	60.72	60.56	60.52	61.16	71.85	65.60	61.85	61.41	61.44	61.13	61.54	61.48	13
14	60.71	60.52	60.52	61.12	71.75	65.13	61.68	61.49	61.49	61.22	61.29	61.38	14
15	60.69	60.50	60.53	61.04	71.52	64.74	61.62	61.86	61.53	61.33	61.26	61.34	15
16	60.69	60.48	60.52	60.95	72.00	64.38	61.63	61.80	61.49	61.47	61.31	61.38	16
17	60.69	60.48	60.51	60.88	72.94	63.97	61.68	61.62	61.45	61.59	61.17	61.43	17
18	60.68	60.48	60.52	60.82	72.83	63.71	61.72	61.65	61.38	61.55	61.14	61.41	18
19	60.67	60.49	60.53	60.81	72.12	63.49	61.68	61.86	61.40	61.42	61.17	61.43	19
20	60.63	60.56	60.51	60.83	71.15	63.26	61.61	61.92	61.38	61.36	61.28	61.38	20
21	60.62	60.55	60.49	61.07	70.25	63.08	61.57	61.95	61.34	61.27	61.40	61.31	21
22	60.61	60.54	60.48	61.13	69.62	62.92	61.53	61.95	61.29	61.26	61.36	61.23	22
23	60.62	60.53	60.47	61.00	68.56	62.68	61.50	61.93	61.20	61.30	61.27	61.20	23
24	60.63	60.53	60.48	60.94	67.38	62.52	61.47	61.89	61.15	61.24	61.30	61.16	24
25	60.63	60.58	60.48	60.84	66.40	62.47	61.49	61.99	61.13	61.21	61.32	61.07	25
26	60.62	60.60	60.47	60.77	65.76	62.51	61.55	61.99	61.13	61.16	61.29	61.00	26
27	60.60	60.64	60.48	60.90	65.45	62.73	61.57	61.98	61.18	61.12	61.32	60.97	27
28	60.58	60.58	60.49	60.90	65.33	62.85	61.47	62.00	61.19	61.08	61.37	61.02	28
29	60.66	60.60	60.49	60.84		62.72	61.47	62.27	61.16	61.05	61.44	60.99	29
30	60.70	60.56	60.48	60.85		62.54	61.51	62.22	61.14	61.05	61.38	60.97	30
31	60.65		60.49	60.83		62.35		62.20		61.19	61.31		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-62	1750	61.2	5-29-62	1110	62.3						
2-18-62	0000	73.0									
3- 9-62	1400	68.7									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	TO	ZERO ON GAGE	REF. DATUM
37 17 42	120 51 00	26 7S 10E	6060	73.04	2/17/62	OCT 61-DATE	MAY 61-DATE	1961		0.00	USCGS

Station located on bridge 2.3 miles south of Stevinson on Lander Avenue.

TABLE 285

DAILY MEAN GAGE HEIGHT

MERCED RIVER BELOW SNELLING

STATION NO	WATER YEAR
805170	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	4.77	5.09	5.08	5.14	5.17	8.66	7.14	5.65	7.92	6.26	6.05	5.74	1
2	4.81	5.17	5.45	5.15	5.16	9.17	6.67	5.66	8.96	6.35	6.05	5.76	2
3	4.81	5.17	5.35	5.19	5.11	8.76	6.27	5.66	10.46	6.36	6.02	5.78	3
4	4.83	5.12	5.27	5.19	5.09	8.78	6.21	5.72	10.67	6.21	6.01	5.79	4
5	4.80	5.12	5.14	5.13	5.12	8.74	6.20	5.79	9.36	6.17	6.00	5.78	5
6	4.74	5.13	5.16	5.06	5.11	9.33	6.19	6.08	9.42	6.02	6.00	5.82	6
7	4.73	5.13	5.16	5.06	5.21	8.86	6.19	10.25	9.83	5.98	5.97	5.80	7
8	4.74	5.12	5.13	5.07	5.33	8.55	6.20	11.45	10.00	5.95	6.03	5.75	8
9	4.75	5.11	5.12	5.06	6.34	8.74	6.14	11.46	10.21	5.95	5.99	5.74	9
10	4.78	5.06	5.12	5.10	7.11	8.65	6.10	11.24	10.48	5.96	5.93	5.71	10
11	4.82	5.03	5.11	5.20	7.55	8.69	6.05	9.90	10.44	5.98	5.93	5.75	11
12	4.84	5.03	5.11	5.12	6.33	8.69	6.05	9.76	10.01	5.93	5.91	5.77	12
13	4.88	5.03	5.08	5.04	6.12	8.70	6.04	8.36	9.84	6.04	6.42	5.76	13
14	4.83	5.04	5.06	5.01	6.31	8.66	6.05	7.22	9.35	5.95	6.04	5.75	14
15	4.84	5.04	5.06	5.01	9.35	8.62	5.96	7.99	9.30	5.95	5.93	5.59	15
16	4.86	5.04	5.00	5.01	9.17	8.66	5.90	6.98	8.28	5.90	5.92	5.58	16
17	4.91	5.04	4.98	5.02	8.89	8.63	6.05	6.83	8.13	5.86	5.94	5.58	17
18	5.05	5.01	5.04	5.03	8.87	8.71	6.07	7.71	8.52	5.80	5.92	5.54	18
19	5.10	4.91	5.13	5.04	8.91	8.70	5.94	7.38	9.00	5.84	5.92	5.54	19
20	5.16	5.05	5.13	5.77	8.87	8.68	5.93	6.82	9.54	5.90	5.90	5.55	20
21	5.14	5.08	5.12	5.47	8.91	8.57	5.92	6.85	9.47	5.92	5.91	5.58	21
22	5.13	5.03	5.11	5.35	8.84	8.66	5.88	6.83	9.24	5.93	5.93	5.59	22
23	5.10	5.02	5.11	5.27	8.82	8.65	5.88	7.54	8.95	5.97	5.92	5.62	23
24	5.02	4.99	5.10	5.24	8.79	8.63	5.86	7.95	8.42	5.98	5.92	5.59	24
25	5.02	5.03	5.10	5.20	8.72	8.66	5.85	7.93	7.81	6.00	5.94	5.57	25
26	5.02	5.14	5.11	5.20	8.73	8.26	5.69	7.45	7.55	6.01	5.97	5.45	26
27	5.04	5.06	5.12	5.19	8.67	7.65	5.67	6.81	7.32	5.99	6.01	5.45	27
28	5.04	5.04	5.11	5.14	8.67	7.84	5.67	6.74	7.00	6.01	5.98	5.61	28
29	5.05	5.28	5.11	5.16		7.81	5.67	6.49	6.52	5.96	5.98	5.85	29
30	5.07	5.26	5.12	5.18		7.68	5.66	6.74	6.19	5.97	5.92	5.91	30
31	5.09		5.12	5.16		7.45		7.89		5.96	5.75		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-20-62	1015	5.8	2-11-62	0550	8.4	3- 6-62	0310	10.4			
2- 9-62	1200	7.0	2-15-62	0700	11.3	5- 8-62	2140	11.6			
2-10-62	0600	7.7	2-15-62	1800	10.7	6- 3-62	2100	10.8			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 30 06	120 27 03	NE17 5S 14E	3960	11.56	5/ 8/62	NOV 58-DATE	NOV 58-DATE	1958		0.00	LOCAL

Station located 0.2 mi. below Merced-Snelling Highway Bridge, 1.4 mi. SW of Snelling. Flow regulated by Exchequer power plant and Lake McClure. Prior to November, 1958, records available for a aite 3.6 mi. downstream.

TABLE 286

DAILY MEAN GAGE HEIGHT

MERCED RIVER AT CRESSEY

STATION NO	WATER YEAR
805155	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	9.94	9.96	10.38	10.35	10.44	14.56	12.76	10.49	13.24	11.31	10.78	11.03	1
2	9.95	9.96	10.54	10.36	10.45	14.59	12.29	10.43	13.38	11.27	10.72	11.00	2
3	9.96	10.01	10.59	10.37	10.46	14.75	11.84	10.40	15.94	NR	10.81	10.96	3
4	9.94	10.04	10.62	10.38	10.44	14.62	11.55	10.41	16.98	NR	10.87	10.95	4
5	9.93	10.05	10.62	10.38	10.43	14.56	11.46	10.41	16.19	NR	11.00	11.07	5
6	9.97	10.04	10.56	10.38	10.42	16.09	11.34	10.41	15.00	NR	11.05	11.03	6
7	10.00	10.07	10.52	10.35	10.44	16.38	11.29	12.41	15.49	NR	10.99	11.01	7
8	10.00	10.10	10.50	10.34	10.48	14.95	11.30	17.46	15.99	NR	10.98	11.10	8
9	9.99	10.11	10.48	10.36	11.04	14.66	11.27	18.27	16.13	NR	10.93	11.08	9
10	9.95	10.14	10.48	10.37	14.59	14.67	11.18	18.21	16.64	NR	10.97	11.04	10
11	10.02	10.14	10.45	10.36	16.27	14.61	11.12	17.13	16.78	NR	10.99	10.99	11
12	10.04	10.13	10.44	10.38	14.18	14.59	11.06	15.89	16.37	NR	11.00	10.98	12
13	10.06	10.13	10.44	10.41	12.65	14.54	11.00	15.32	15.86	NR	10.96	11.05	13
14	10.07	10.14	10.41	10.38	12.94	14.54	10.77	13.26	15.62	NR	11.60	11.10	14
15	10.06	10.17	10.41	10.35	16.91	14.49	10.87	13.14	15.06	NR	11.07	11.12	15
16	10.04	10.18	10.38	10.34	18.13	14.49	10.86	13.18	14.56	NR	11.02	11.14	16
17	10.00	10.17	10.38	10.34	15.55	14.47	10.74	12.22	13.64	NR	10.91	11.07	17
18	10.01	10.15	10.38	10.33	15.04	14.45	10.81	12.25	13.92	10.80	10.92	11.07	18
19	9.95	10.13	10.41	10.34	15.40	14.44	10.84	13.17	14.26	10.82	10.97	11.02	19
20	9.96	10.21	10.39	10.49	15.04	14.43	10.75	12.42	15.03	10.77	10.97	11.01	20
21	9.96	10.24	10.39	10.62	14.96	14.41	10.73	11.98	15.46	10.83	11.05	11.06	21
22	9.95	10.26	10.37	10.86	14.84	14.42	10.71	11.97	15.12	10.82	11.06	11.07	22
23	10.02	10.27	10.37	10.69	14.69	14.44	10.68	11.93	14.74	10.78	11.08	11.08	23
24	10.07	10.27	10.36	10.61	14.65	14.40	10.61	13.06	14.47	10.70	11.09	11.09	24
25	10.09	10.29	10.36	10.55	14.63	14.38	10.56	13.28	13.62	10.62	11.08	11.11	25
26	10.09	10.33	10.37	10.52	14.64	14.35	10.55	13.24	13.12	10.64	11.02	11.16	26
27	10.08	10.36	10.37	10.50	14.65	13.63	10.56	12.49	12.80	10.77	11.01	11.17	27
28	10.05	10.34	10.37	10.48	14.58	13.29	10.56	12.01	12.47	10.83	11.10	11.24	28
29	10.04	10.36	10.37	10.45		13.36	10.55	11.90	12.08	10.84	11.10	11.22	29
30	10.01	10.36	10.37	10.44		13.27	10.52	11.65	11.60	10.83	11.09	11.26	30
31	9.96		10.36	10.43		13.08		12.27		10.80	11.11		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-10-62	0215	15.0	2-14-62	0330	13.8	3- 6-62	1350	18.9	6- 4-62	1145	17.0
2-10-62	2300	16.0	2-15-62	1800	19.5	3- 7-62	0410	18.7	6-11-62	0800	16.8
2-11-62	1800	17.4	2-16-62	0630	20.4	5-10-62	0600	18.3			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 25 28	120 39 47	SW 9 6S 12E	34400	22.67	12/ 4/50	JUL 41-DEC 41 JUL 42-DATE	APR 41-DATE	1950		96.24	USCGS

Station located 150 ft. below McSwain Bridge, immediately N of Cressey. Prior to May 20, 1960, station located 250 ft. upstream.

TABLE 287

DAILY MEAN GAGE HEIGHT

MERCED RIVER NEAR LIVINGSTON

STATION NO	WATER YEAR
805138	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	NR	NR	NR	NR	4.26	1.73	4.29	3.11	1.64	1.81	1
2	NR	NR	NR	NR	NR	NR	3.89	1.56	4.56	2.85	1.61	1.82	2
3	NR	NR	NR	NR	NR	NR	3.51	1.55	7.43	2.61	1.60	1.72	3
4	NR	NR	NR	NR	NR	NR	3.05	1.54	9.97	2.48	1.63	1.58	4
5	NR	NR	NR	NR	NR	NR	2.96	1.45	9.85	2.47	1.84	1.58	5
6	NR	NR	NR	NR	NR	NR	2.88	1.51	7.53	2.27	2.02	1.63	6
7	NR	NR	NR	NR	NR	NR	2.79	1.86	7.87	2.12	1.81	1.55	7
8	NR	NR	NR	NR	NR	NR	2.73	9.05	8.67	2.18	1.67	1.55	8
9	NR	NR	NR	NR	NR	NR	2.75	11.81	8.91	2.14	1.88	1.64	9
10	NR	NR	NR	NR	NR	NR	2.55	12.12	9.70	1.94	1.79	1.61	10
11	NR	NR	NR	NR	NR	NR	2.42	11.27	10.03	1.87	1.72	1.51	11
12	NR	NR	NR	NR	NR	NR	2.44	8.92	9.71	1.90	1.88	1.49	12
13	NR	NR	NR	NR	NR	NR	2.26	8.49	8.89	2.00	1.76	1.49	13
14	NR	NR	NR	NR	NR	NR	2.24	6.23	8.68	1.86	1.83	1.60	14
15	NR	NR	NR	NR	NR	NR	2.11	4.61	7.69	1.90	2.01	1.50	15
16	NR	NR	NR	NR	NR	NR	2.23	5.21	7.42	1.81	1.74	1.77	16
17	NR	NR	NR	NR	NR	NR	2.01	4.12	6.08	1.73	1.70	1.62	17
18	NR	NR	NR	NR	NR	NR	1.86	3.65	5.87	1.69	1.62	1.62	18
19	NR	NR	NR	NR	NR	NR	1.90	4.46	6.23	1.87	1.85	1.54	19
20	NR	NR	NR	NR	NR	NR	1.89	4.37	7.13	1.77	1.73	1.50	20
21	NR	NR	NR	NR	NR	NR	1.83	3.73	8.04	1.69	1.50	1.51	21
22	NR	NR	NR	NR	NR	NR	2.00	3.42	7.78	1.77	1.55	1.55	22
23	NR	NR	NR	NR	NR	NR	1.96	3.30	7.22	1.89	1.62	1.70	23
24	NR	NR	NR	NR	NR	NR	1.85	3.89	6.93	1.63	1.66	1.60	24
25	NR	NR	NR	NR	NR	NR	1.82	4.71	6.01	1.54	1.79	1.48	25
26	NR	NR	NR	NR	NR	NR	1.77	4.74	5.07	1.45	1.81	1.50	26
27	NR	NR	NR	NR	NR	NR	1.80	4.35	4.57	1.50	1.57	1.60	27
28	NR	NR	NR	NR	NR	NR	1.91	3.55	4.19	1.54	1.57	1.65	28
29	NR	NR	NR	NR		NR	1.95	3.18	3.76	1.74	1.68	1.57	29
30	NR	NR	NR	NR		NR	1.83	2.95	3.37	1.89	1.71	1.61	30
31	NR		NR	NR		NR		3.00		1.63	1.66		31

E - Estimated
NR - No Record
Nf - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-10-62	1000	12.3									
5-13-62	0100	9.0									
6- 5-62	0300	10.3									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 23 18	120 47 35	NW29 6S 11E	11100	21.44	2/12/38	MAR 22-SEP 24 OCT 25-FEB 44	JAN 51-JAN 60 APR 62-DATE	1962	DATE	79.5	USGS

Station located 4.5 mi. W of Livingston and 9.5 mi. upstream from mouth. Early discharge records, 1922-44, available in U.S.G.S. Water Supply Papers. Stage records from 1951-1960 were not published, available from D.W.R., State of California. Station reactivated April 1, 1962 for stage only.

TABLE 288

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER NEAR NEWMAN

STATION NO	WATER YEAR
807300	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	47.38	47.33	48.56	48.13	49.07	54.55	51.43	49.24	50.37	49.97	48.85	49.22	1
2	47.39	47.34	48.76	48.12	49.02	54.34	51.30	49.12	50.71	49.93	48.87	49.19	2
3	47.40	47.33	48.90	48.11	48.93	54.17	51.05	49.12	51.27	49.72	48.88	49.18	3
4	47.40	47.33	49.03	48.13	48.90	54.13	50.82	48.99	53.36	49.62	48.88	49.06	4
5	NR	47.32	49.08	48.11	48.89	54.09	50.59	49.08	54.17	49.63	48.92	48.98	5
6	NR	47.33	49.13	48.12	48.88	54.06	50.46	49.09	53.28	49.51	49.13	48.96	6
7	NR	47.22	49.13	48.23	48.91	55.49	50.35	49.12	52.80	49.39	49.21	48.97	7
8	NR	47.20	49.11	48.72	48.96	55.72	50.23	50.43	53.17	49.39	49.08	48.98	8
9	NR	47.21	49.04	49.16	49.31	55.68	50.23	54.24	53.48	49.46	49.06	49.09	9
10	NR	47.32	48.84	49.34	50.39	55.79	50.17	55.20	53.74	49.29	49.00	49.23	10
11	NR	47.35	48.67	49.39	53.32	55.49	50.02	55.30	54.17	49.38	49.07	49.12	11
12	NR	47.35	48.58	49.41	55.85	54.90	49.88	54.22	54.13	49.39	49.14	49.12	12
13	NR	47.36	48.52	49.38	56.49	54.40	49.83	53.49	53.77	49.41	49.16	49.07	13
14	NR	47.34	48.48	49.33	57.00	54.06	49.71	52.75	53.44	49.37	49.04	49.04	14
15	NR	47.35	48.37	49.28	57.59	53.82	49.65	51.27	53.07	49.37	49.12	49.00	15
16	NR	47.36	48.25	49.17	58.97	53.62	49.65	51.31	52.81	49.43	49.10	48.98	16
17	NR	47.37	48.27	49.05	59.78	53.43	49.60	51.10	52.27	49.29	48.98	49.12	17
18	47.30	47.43	48.32	49.07	59.90	53.28	49.48	50.62	51.79	49.22	48.93	48.98	18
19	47.26	47.44	48.31	50.72	60.01	53.19	49.44	50.52	51.81	49.13	48.98	48.96	19
20	47.30	47.64	48.29	50.74	59.76	53.10	49.43	50.88	52.02	49.14	49.08	48.99	20
21	47.36	47.82	48.27	51.49	59.05	53.00	49.33	50.64	52.67	49.05	48.92	49.00	21
22	47.38	47.95	48.26	51.27	58.27	52.93	49.32	50.40	52.84	49.06	48.83	48.96	22
23	47.39	48.13	48.23	49.64	57.61	52.87	49.39	50.25	52.53	49.16	48.80	49.03	23
24	47.34	48.39	48.17	49.31	56.89	52.73	49.26	50.24	52.24	49.20	48.85	49.10	24
25	47.32	48.50	48.16	49.23	56.12	52.67	49.23	50.79	52.05	49.09	49.02	49.08	25
26	47.33	48.57	48.14	49.17	55.46	52.66	49.19	51.00	51.31	48.96	49.09	48.97	26
27	47.40	48.48	48.17	49.09	54.96	52.49	49.21	50.97	50.88	48.86	49.14	48.94	27
28	47.42	48.40	48.15	49.06	54.72	51.93	49.18	50.66	50.62	48.76	49.03	48.97	28
29	47.41	48.38	48.15	49.09		51.75	49.19	50.38	50.42	48.84	49.05	48.93	29
30	47.42	48.42	48.12	49.10		51.70	49.17	50.26	50.18	48.97	49.11	48.88	30
31	47.41		48.10	49.10		51.68		50.10		48.92	49.17		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-62	1300	52.23	5-11-62	0200	55.37						
2-19-62	0300	60.03	6- 5-62	1600	54.25						
3- 7-62	2400	56.04									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT.	DATE			FROM	TO		
37 21 02	120 58 34	SW 3 7S 9E	33000	18.50	3/ 7/38	APR 12-DATE	APR 12-DATE	1912	1959	47.24	USCOS
										47.31	USCGS
								1959		0.00	USCGS

Station located at bridge on Hills Ferry Road, 300 ft. below the Merced River, 3.5 mi. NE of Newman.
Records furn. by U.S.G.S. Drainage area is 9,990 sq. mi.

TABLE 289

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE

STATION NO	WATER YEAR
807250	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	37.63	37.58	38.63	38.31	39.16	44.89	41.66	39.36	40.42	40.01	38.79	39.00	1
2	37.62	37.54	38.81	38.34	39.09	44.69	41.57	39.25	40.82	39.88	38.73	39.05	2
3	37.59	37.54	38.95	38.32	39.03	44.48	41.30	39.20	41.01	39.66	38.73	39.00	3
4	37.57	37.54	39.12	38.33	38.97	44.40	40.99	39.14	42.72	39.51	38.72	38.88	4
5	37.57	37.53	39.19	38.31	38.95	44.35	40.75	39.14	43.96	39.48	38.81	38.86	5
6	37.60	37.52	39.22	38.33	38.93	44.35	40.60	39.18	43.74	39.35	38.92	38.91	6
7	37.66	37.50	39.21	38.35	38.96	45.52	40.49	39.25	42.91	39.21	38.97	38.89	7
8	37.67	37.45	39.19	38.63	39.00	46.22	40.34	39.59	43.10	39.17	38.92	38.86	8
9	37.67	37.45	39.16	39.08	39.23	46.06	40.32	43.23	43.49	39.34	38.84	38.96	9
10	37.65	37.48	39.04	39.34	40.74	46.11	40.24	44.86	43.69	39.19	38.85	39.16	10
11	37.60	37.53	38.85	39.44	42.77	45.93	40.17	45.34	44.12	39.17	38.78	39.00	11
12	37.57	37.54	38.74	39.47	45.15	45.32	40.09	44.80	44.21	39.21	38.89	38.88	12
13	37.57	37.55	38.67	39.48	46.43	44.73	40.06	43.81	44.00	39.26	39.02	38.91	13
14	37.53	37.54	38.62	39.41	47.24	44.32	39.95	43.42	43.60	39.22	38.87	38.85	14
15	37.54	37.53	38.55	39.37	48.36	44.05	39.85	42.06	43.34	39.22	38.82	38.89	15
16	37.62	37.55	38.44	39.29	49.68	43.85	39.88	41.54	43.01	39.26	38.88	38.74	16
17	37.63	37.55	38.39	39.16	50.86	43.64	39.82	41.52	42.74	39.15	38.76	38.90	17
18	37.59	37.57	38.42	39.12	51.16	43.51	39.74	41.04	42.11	39.07	38.73	38.83	18
19	37.54	37.63	38.44	40.10	51.41	43.43	39.60	40.70	41.88	38.91	38.78	38.80	19
20	37.53	37.76	38.43	40.32	51.30	43.29	39.64	41.02	41.99	38.90	38.88	38.86	20
21	37.57	37.88	38.43	41.26	50.58	43.21	39.61	40.95	42.52	38.92	38.86	38.86	21
22	37.58	38.04	38.42	41.23	49.60	43.14	39.59	40.61	42.90	38.88	38.82	38.86	22
23	37.60	38.18	38.40	40.27	48.70	43.12	39.73	40.39	42.71	38.93	38.74	38.80	23
24	37.58	38.38	38.36	39.49	47.85	43.05	39.56	40.32	42.41	38.92	38.66	38.91	24
25	37.53	38.55	38.35	39.37	46.93	42.89	39.45	40.78	42.23	38.92	38.80	38.92	25
26	37.55	38.63	38.32	39.29	46.13	42.86	39.44	41.19	41.61	38.76	38.95	38.82	26
27	37.58	38.62	38.31	39.21	45.48	42.72	39.44	41.17	41.09	38.68	38.93	38.80	27
28	37.61	38.57	38.32	39.17	45.12	42.24	39.44	41.03	40.78	38.63	38.80	38.85	28
29	37.61	38.53	38.33	39.14		41.97	39.44	40.64	40.54	38.58	38.78	38.77	29
30	37.60	38.56	38.31	39.15		41.87	39.42	40.50	40.25	38.68	38.84	38.86	30
31	37.62		38.27	39.15		41.84		40.34		38.82	38.89		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-62	1900	41.6	3- 8-62	0530	46.4						
2-19-62	1940	51.4	5-11-62	1940	45.4						
2-20-62	0420	51.4	6-12-62	0000	44.2						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 26 52	121 00 44	NW 8 6S 9E		61.9	4/7/58		41-DATE		1959	0.00	USED
								1959		0.00	USGS
								1959		3.51	USED

Station located at Crows Landing Road Bridge, 4.3 mi. NE of Crows Landing.

TABLE 290

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT PATTERSON BRIDGE

STATION NO	WATER YEAR
807200	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	32.08	32.08	32.76	32.37	33.06	38.84	35.38	32.42	33.65	33.59	32.16	32.62	1
2	31.98	32.05	32.90	32.40	33.03	38.66	35.23	32.31	34.01	33.42	32.07	32.62	2
3	31.97	32.04	33.01	32.40	32.97	38.45	34.99	32.37	34.11	33.12	31.97	32.77	3
4	31.99	32.01	33.14	32.40	32.90	38.31	34.67	32.29	35.43	32.93	31.97	32.60	4
5	32.01	31.99	33.22	32.40	32.88	38.25	34.48	32.17	36.97	32.84	32.19	32.56	5
6	31.98	31.99	33.27	32.38	32.86	38.24	34.32	32.28	37.25	32.76	32.25	32.69	6
7	32.00	31.99	33.32	32.37	32.87	38.98	34.23	32.48	36.33	32.64	32.25	32.68	7
8	32.06	31.98	33.29	32.50	32.88	39.95	34.03	32.48	36.30	32.66	32.31	32.67	8
9	32.11	31.95	33.26	32.90	33.12	39.84	33.94	35.36	36.76	32.78	32.30	32.69	9
10	32.12	31.95	33.18	33.19	34.25	39.87	33.90	37.74	37.02	32.57	32.29	32.91	10
11	32.08	31.98	33.03	33.33	36.08	39.80	33.90	38.54	37.39	32.57	32.27	32.59	11
12	31.99	32.01	32.92	33.40	38.17	39.27	33.89	38.48	37.57	32.61	32.31	32.40	12
13	31.95	32.02	32.84	33.44	39.73	38.63	33.83	37.46	37.44	32.72	32.55	32.36	13
14	31.99	32.05	32.79	33.40	40.59	38.16	33.59	37.10	37.04	32.68	32.33	32.38	14
15	31.95	32.04	32.72	33.38	41.59	37.83	33.54	35.99	36.75	32.57	32.18	32.36	15
16	31.95	32.04	32.64	33.33	42.88	37.59	33.43	35.13	36.37	32.62	32.39	32.37	16
17	31.93	32.03	32.58	33.22	43.98	37.48	33.30	35.15	36.27	32.54	32.21	32.40	17
18	31.96	32.03	32.59	33.15	44.43	37.44	33.14	34.75	35.71	32.41	32.05	32.28	18
19	31.90	32.02	32.61	33.65	44.61	37.35	32.96	34.32	35.21	32.29	32.18	32.30	19
20	31.92	32.18	32.60	34.15	44.69	37.22	32.99	34.50	35.16	32.31	32.33	32.46	20
21	32.00	32.29	32.59	34.83	44.30	37.08	33.04	34.58	35.62	32.38	32.28	32.48	21
22	32.02	32.37	32.58	34.98	43.54	36.97	32.94	34.24	36.20	32.42	32.11	32.47	22
23	32.02	32.46	32.56	34.54	42.72	36.96	32.93	34.00	36.14	32.40	32.15	32.49	23
24	32.04	32.56	32.53	33.56	41.94	36.92	32.71	33.86	35.85	32.23	32.30	32.70	24
25	31.98	32.73	32.50	33.32	41.14	36.71	32.62	34.01	35.64	32.27	32.23	32.74	25
26	31.97	32.82	32.45	33.22	40.31	36.59	32.62	34.50	35.21	32.10	32.52	32.65	26
27	32.00	32.82	32.44	33.15	39.58	36.39	32.59	34.67	34.61	31.97	32.58	32.59	27
28	32.01	32.77	32.46	33.09	39.12	35.97	32.55	34.60	34.21	31.94	32.55	32.59	28
29	32.01	32.72	32.46	33.08		35.62	32.55	34.15	33.97	31.93	32.46	32.48	29
30	32.00	32.73	32.44	33.08		35.53	32.49	33.92	33.78	32.01	32.40	32.78	30
31	32.05		32.41	33.07		35.48		33.77		32.15	32.49		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-62	2400	35.2	5-11-62	2400	38.7						
2-20-62	0820	44.7	6-12-62	1100	37.6						
3-10-62	1420	39.9									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 29 52	121 04 52	SW15 5S 8E		54.0	6/13/38		APR 38-DATE	1938	1959	0.00	USED
								1959		0.00	USCGS
								1959		3.53	USED

Station located at Patterson-Turlock Highway Bridge, 3.1 mi. NE of Patterson.

TABLE 291

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT GRAYSON

STATION NO	WATER YEAR
807080	1962

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	22.89	22.94	23.69	23.44	24.25	30.52	27.02	23.91	25.08	25.24	23.79	24.20	1
2	22.90	22.93	23.82	23.44	24.23	30.24	26.82	23.80	25.39	25.07	23.75	24.16	2
3	22.83	22.90	23.90	23.43	24.19	30.03	26.59	23.77	25.61	24.76	23.60	24.27	3
4	22.89	22.89	24.00	23.43	24.13	29.91	26.19	23.78	26.40	24.53	23.58	24.20	4
5	22.91	22.89	24.12	23.43	24.09	29.87	25.93	23.65	28.06	24.44	23.82	24.07	5
6	22.92	22.90	24.17	23.42	24.05	29.95	25.79	23.78	28.76	24.40	23.94	24.17	6
7	22.91	22.90	24.20	23.41	24.08	30.54	25.64	23.96	28.00	24.23	23.83	24.23	7
8	22.96	22.90	24.21	23.44	24.11	31.79	25.44	23.94	27.77	24.23	23.88	24.23	8
9	23.01	22.90	24.19	23.68	24.39	32.19	25.37	25.71	28.14	24.37	23.82	24.23	9
10	23.04	22.88	24.17	24.01	25.36	32.52	25.26	28.70	28.47	24.23	23.86	24.43	10
11	23.04	22.89	24.06	24.21	26.95	32.49	25.24	29.87	28.78	24.17	23.87	24.23	11
12	22.98	22.90	23.93	24.32	28.95	31.64	25.20	30.13	29.07	24.25	24.00	24.02	12
13	22.90	22.91	23.81	24.36	34.74	30.83	25.18	29.20	28.99	24.37	24.12	23.98	13
14	22.93	22.90	23.82	24.36	31.83	30.23	25.08	28.73	28.65	24.28	24.03	23.98	14
15	22.90	22.90	23.77	24.32	32.92	29.81	24.97	27.80	28.41	24.22	23.74	23.90	15
16	22.92	22.90	23.70	24.30	34.28	29.54	24.79	26.80	28.01	24.13	23.94	23.92	16
17	22.88	22.90	23.62	24.24	35.43	29.43	24.62	26.74	27.93	24.12	23.91	23.90	17
18	22.90	22.89	23.60	24.16	36.18	29.28	24.50	26.43	27.45	23.98	23.75	23.88	18
19	22.87	22.91	23.61	24.22	36.27	29.17	24.37	25.93	26.90	23.95	23.75	23.82	19
20	22.85	23.02	23.62	25.04	36.60	29.04	24.35	25.99	26.70	23.87	23.84	24.00	20
21	22.90	23.15	23.61	25.44	36.57	28.86	24.41	26.24	27.03	23.87	23.82	24.07	21
22	22.91	23.19	23.59	25.95	36.00	29.73	24.33	25.92	27.56	23.94	23.72	24.07	22
23	22.91	23.30	23.58	25.88	35.15	28.65	24.30	25.65	27.73	23.93	23.75	24.07	23
24	22.92	23.38	23.56	24.98	34.27	28.61	24.18	25.46	27.49	23.85	23.90	24.20	24
25	22.91	23.52	23.53	24.57	33.50	28.35	24.02	25.48	27.29	23.88	23.82	24.29	25
26	22.89	23.66	23.50	24.41	32.48	28.21	23.97	25.93	26.98	23.85	24.00	24.32	26
27	22.90	23.70	23.49	24.36	31.47	28.07	23.98	26.20	26.38	23.63	24.00	24.24	27
28	22.91	23.69	23.49	24.30	30.88	27.69	23.94	26.17	25.92	23.53	24.05	24.23	28
29	22.88	23.67	23.49	24.26		27.26	24.02	25.78	25.61	23.55	23.98	24.07	29
30	22.88	23.67	23.48	24.25		27.15	23.95	25.48	25.38	23.57	23.95	24.30	30
31	22.92		23.47	24.26		27.12		25.26		23.70	24.96		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-18-62	1600	36.24	5-12-62	0900	30.25	7-13-62	0600	27.81			
2-21-62	0100	36.70	6- 6-62	0700	28.85						
3-11-62	0400	32.64	6-12-62	1125	29.10						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT.	DATE			FROM	TO		
37 33 47	121 09 06	NW25 4S 7E	23900	45.15	3/ 8/41	JUL 28-DATE	JUL 28-DATE		1959	0.00	USED
								1960		0.00	USCGS
								1960		3.81	USED

Station located at Laird Slough Bridge, 5 mi. above the Tuolumne River. High flows bypassing this station through old channel of San Joaquin River are included in figures shown. Records furn. by City of San Francisco.

TABLE 292
DAILY MEAN GAGE HEIGHT

TUOLUMNE RIVER AT LA GRANGE BRIDGE
IN FEET

STATION NO	WATER YEAR
B04175	1962

DAY	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DAY
1	NR	67.10	67.07	67.08	67.08	68.15	69.10	67.30	67.29	67.25	67.24	67.37	1
2	NR	67.10	67.12	67.07	67.10	68.33	68.89	67.30	67.29	67.25	67.20	67.36	2
3	NR	67.08	67.11	67.10	67.09	68.68	68.98	67.29	67.29	67.24	67.20	67.36	3
4	NR	67.07	67.09	67.12	67.09	68.72	68.99	67.29	67.29	67.23	67.22	67.35	4
5	NR	67.04	67.08	67.10	67.08	68.98	69.00	67.29	67.30	67.23	67.25	67.36	5
6	NR	67.03	67.11	67.09	67.10	69.04	69.01	67.28	67.30	67.23	67.26	67.36	6
7	NR	67.03	67.26	67.07	67.13	70.38	69.02	67.29	67.30	67.23	67.28	67.35	7
8	NR	67.04	67.26	67.08	67.11	73.38	69.02	67.29	67.36	67.24	67.26	67.33	8
9	NR	67.06	67.24	67.10	67.27	73.56	69.02	67.29	67.32	67.24	67.25	67.33	9
10	NR	67.06	67.18	67.10	67.34	72.78	69.01	67.29	67.29	67.23	67.25	67.28	10
11	NR	67.05	67.16	67.10	67.40	71.62	69.02	67.29	67.29	67.24	67.25	67.25	11
12	NR	67.06	67.20	67.10	67.24	71.49	68.52	67.29	67.29	67.25	67.25	67.25	12
13	NR	67.07	67.20	67.10	67.25	71.52	67.38	67.29	67.29	67.25	67.23	67.25	13
14	NR	67.07	67.19	67.11	67.24	71.51	67.37	67.29	67.29	67.26	67.27	67.25	14
15	NR	67.07	67.15	67.10	67.64	71.49	67.35	67.29	67.33	67.24	67.31	67.24	15
16	NR	67.07	67.16	67.10	70.05	71.03	67.34	67.28	67.29	67.25	67.22	67.20	16
17	NR	67.07	67.13	67.11	71.73	70.97	67.33	67.28	67.29	67.98	67.20	67.18	17
18	NR	67.07	67.12	67.11	71.67	70.89	67.33	67.28	67.28	67.27	67.22	67.20	18
19	NR	67.07	67.14	67.11	71.76	70.42	67.32	67.28	67.28	67.22	67.21	67.19	19
20	NR	67.09	67.08	67.16	71.81	70.27	67.32	67.27	67.28	67.21	67.20	67.20	20
21	NR	67.09	67.08	67.11	71.84	70.27	67.32	67.27	67.28	67.21	67.21	67.20	21
22	NR	67.07	67.08	67.10	71.67	70.28	67.31	67.28	67.27	67.25	67.22	67.20	22
23	NR	67.04	67.08	67.13	71.66	70.09	67.32	67.27	67.27	67.26	67.23	67.20	23
24	NR	67.00	67.08	67.12	71.08	69.92	67.31	67.26	67.26	67.26	67.23	67.20	24
25	NR	67.02	67.08	67.12	69.03	70.16	67.30	67.25	67.25	67.26	67.23	67.21	25
26	NR	67.05	67.08	67.13	67.83	70.05	67.30	67.28	67.26	67.25	67.22	67.22	26
27	NR	67.01	69.08	67.11	67.83	70.01	67.30	67.27	67.26	67.25	67.22	67.21	27
28	67.22	67.02	67.08	67.09	67.97	70.01	67.30	67.28	67.26	67.25	67.22	67.24	28
29	67.13	67.07	67.08	67.09		70.07	67.29	67.28	67.27	67.25	67.30	67.23	29
30	67.03	67.07	67.08	67.09		69.80	67.29	67.28	67.26	67.25	67.38	67.23	30
31	67.07		67.08	67.07		69.74		67.28		67.25	67.37		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2/16/62	1550	72.2									
3/ 8/62	2100	73.8									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.&M.	C.F.S	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 39 59	120 27 40	NW20 3S 14E	48200	18..?	12/ 6/50	OCT 36-DATE	OCT 36-SEP 60 OCT 61-DATE	1937		0.00	USGS

Station located at highway bridge, immediately N of La Grange. Flow regulated by reservoirs and power plants. Add 100 ft. to all gage heights for 1961-62 water year.

TABLE 293

DAILY MEAN GAGE HEIGHT

TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE

STATION NO	WATER YEAR
804165	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	8.13	8.15	8.19	8.21	8.20	8.96	9.81	8.27	8.31	8.19	8.19	8.22	1
2	8.14	8.14	8.25	8.20	8.20	9.00	9.65	8.25	8.30	8.17	8.21	8.23	2
3	8.13	8.15	8.29	8.20	8.19	9.40	9.64	8.24	8.28	8.17	8.17	8.19	3
4	8.13	8.16	8.24	8.20	8.20	9.44	9.64	8.25	8.27	8.15	8.17	8.16	4
5	8.14	8.15	8.22	8.20	8.20	9.61	9.62	8.27	8.24	8.14	8.17	8.22	5
6	8.14	8.15	8.21	8.20	8.19	9.81	9.64	8.24	8.22	8.14	8.16	8.26	6
7	8.14	8.14	8.19	8.20	8.22	10.10	9.64	8.25	8.25	8.12	8.18	8.25	7
8	8.14	8.16	8.21	8.19	8.24	13.35	9.64	8.25	8.23	8.17	8.17	8.27	8
9	8.14	8.15	8.23	8.19	8.56	13.74	9.63	8.26	8.21	8.16	8.17	8.28	9
10	8.13	8.12	8.22	8.19	8.86	13.38	9.62	8.26	8.23	8.14	8.19	8.23	10
11	8.11	8.13	8.20	8.19	9.03	11.86	9.62	8.28	8.20	8.16	8.20	8.23	11
12	8.09	8.15	8.19	8.19	8.68	11.78	9.60	8.28	8.18	8.18	8.20	8.24	12
13	8.09	8.16	8.20	8.20	8.52	11.74	8.62	8.28	8.17	8.18	8.17	8.25	13
14	8.11	8.16	8.21	8.20	8.62	11.72	8.37	8.30	8.17	8.19	8.13	8.26	14
15	8.11	8.16	8.23	8.19	9.01	11.73	8.33	8.29	8.19	8.22	8.12	8.25	15
16	8.13	8.17	8.23	8.20	10.02	11.48	8.29	8.30	8.23	8.18	8.12	8.27	16
17	8.13	8.17	8.21	8.20	12.15	11.20	8.27	8.33	8.23	8.36	8.14	8.24	17
18	8.14	8.18	8.19	8.20	11.99	11.22	8.28	8.33	8.22	8.66	8.16	8.21	18
19	8.12	8.17	8.19	8.21	12.17	10.97	8.29	8.33	8.19	8.26	8.19	8.22	19
20	8.11	8.22	8.19	8.27	12.14	10.76	8.28	8.32	8.17	8.17	8.14	8.25	20
21	8.11	8.21	8.19	8.27	12.14	10.71	8.28	8.30	8.19	8.15	8.12	8.23	21
22	8.11	8.19	8.19	8.24	12.02	10.75	8.29	8.29	8.19	8.15	8.12	8.25	22
23	8.12	8.17	8.18	8.22	11.96	10.60	8.27	8.29	8.18	8.14	8.17	8.27	23
24	8.15	8.17	8.19	8.21	11.78	10.44	8.22	8.32	8.16	8.13	8.15	8.24	24
25	8.16	8.19	8.19	8.21	10.29	10.61	8.23	8.29	8.15	8.17	8.15	8.21	25
26	8.18	8.21	8.19	8.22	8.92	10.54	8.26	8.30	8.14	8.21	8.19	8.26	26
27	8.17	8.18	8.20	8.23	8.77	10.49	8.25	8.32	8.16	8.22	8.15	8.28	27
28	8.16	8.17	8.20	8.22	8.76	10.46	8.26	8.32	8.19	8.22	8.12	8.27	28
29	8.14	8.18	8.20	8.22		10.51	8.26	8.28	8.19	8.23	8.16	8.28	29
30	8.16	8.18	8.20	8.21		10.42	8.26	8.27	8.19	8.21	8.19	8.29	30
31	8.17		8.20	8.21		10.43		8.31		8.17	8.22		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-17-62	0110	12.4									
3-10-62	0320	13.9									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 38 08	120 37 03	NW35 3S 12E	49800	128.2	12/ 8/50	7/28-10/36δ 1/37- 2/38 6/38-DATE	7/28-10/36δ 1/37- 2/38 6/38-DATE	1930 1940	1940	106.20 0.00	USCOS USCOS

Station located at highway bridge, 7.5 mi. E of Waterford. Add 100 ft. to all gage heights for 1961-62 water year.

δ Irrigation season only.

TABLE 294

DAILY MEAN GAGE HEIGHT

TUOLUMNE RIVER AT HICKMAN BRIDGE

STATION NO	WATER YEAR
804150	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	72.41	72.74	72.39	72.38	72.39	73.63	74.13	72.26	72.18	72.17	72.17	72.29	1
2	72.41	72.93	72.45	72.39	72.38	73.70	73.85	72.21	72.18	72.19	72.21	72.28	2
3	72.41	73.34	72.47	72.42	72.38	74.07	73.78	72.15	72.17	72.15	72.21	72.27	3
4	72.39	73.36	72.46	72.41	72.39	74.20	73.81	72.17	72.19	72.17	72.20	72.23	4
5	72.39	73.36	72.42	72.41	72.39	74.37	73.83	72.17	72.21	72.16	72.20	72.24	5
6	72.42	73.35	72.40	72.42	72.39	74.63	73.83	72.17	72.19	72.15	72.21	72.29	6
7	72.41	73.37	72.40	72.41	72.40	74.57	73.82	72.16	72.18	72.14	72.22	72.29	7
8	72.42	73.36	72.41	72.39	72.40	77.68	73.83	72.16	72.17	72.16	72.21	72.28	8
9	72.45	73.34	72.42	72.40	72.56	78.15	73.81	72.16	72.15	72.16	72.21	72.31	9
10	72.44	72.80	72.42	72.40	73.10	78.04	73.79	72.17	72.14	72.16	72.22	72.31	10
11	72.44	72.51	72.41	72.38	73.29	76.43	73.80	72.20	72.15	72.17	72.23	72.29	11
12	72.43	72.42	72.40	72.39	73.03	76.30	73.80	72.20	72.14	72.18	72.25	72.28	12
13	72.42	72.34	72.40	72.39	72.70	76.26	72.93	72.20	72.14	72.19	72.23	72.29	13
14	72.42	72.32	72.41	72.38	72.81	76.19	72.44	72.24	72.14	72.18	72.20	72.28	14
15	72.43	72.33	72.42	72.37	73.20	76.20	72.37	72.21	72.16	72.18	72.21	72.29	15
16	72.44	72.34	72.42	72.38	73.89	76.04	72.33	72.20	72.17	72.17	72.19	72.28	16
17	72.44	72.34	72.41	72.38	76.73	75.62	72.31	72.21	72.18	72.15	72.19	72.28	17
18	72.43	72.34	72.41	72.39	76.49	75.71	72.30	72.21	72.18	72.67	72.22	72.25	18
19	72.44	72.33	72.41	72.40	76.73	75.49	72.32	72.19	72.17	72.31	72.26	72.25	19
20	72.44	72.40	72.40	72.45	76.72	75.12	72.31	72.20	72.16	72.21	72.27	72.27	20
21	72.43	72.38	72.40	72.44	76.73	75.14	72.32	72.21	72.17	72.16	72.25	72.29	21
22	72.42	72.37	72.39	72.42	76.67	75.15	72.33	72.18	72.17	72.16	72.24	72.30	22
23	72.42	72.38	72.40	72.40	76.57	75.04	72.32	72.17	72.17	72.16	72.24	72.30	23
24	72.45	72.38	72.39	72.39	76.75	74.83	72.28	72.20	72.16	72.16	72.24	72.30	24
25	72.46	72.39	72.38	72.39	75.47	74.94	72.27	72.20	72.15	72.15	72.23	72.27	25
26	72.46	72.41	72.38	72.39	73.81	74.92	72.30	72.17	72.14	72.18	72.25	72.28	26
27	72.47	72.38	72.38	72.39	73.50	74.92	72.32	72.19	72.16	72.22	72.26	72.32	27
28	72.45	72.37	72.38	72.39	73.45	74.82	72.33	72.21	72.17	72.22	72.23	72.32	28
29	72.44	72.39	72.38	72.39		74.88	72.30	72.20	72.16	72.22	72.22	72.32	29
30	72.51	72.39	72.38	72.38		74.84	72.28	72.18	72.17	72.22	72.26	72.32	30
31	72.53		72.38	72.38		74.76		72.18		72.18	72.31		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-24-62	1920	77.0									
3-10-62	0500	78.4									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 38 10	120 45 14	NW 34 3S 11E	59000	96.2	12/ 8/50	7/32-10/36§ 1/37- 3/37 7/37- 2/38 7/38-12/38 3/39-DATE	7/32-10/36§ 1/37- 3/37 7/37- 2/38 7/38-12/38 3/39-DATE	1932		0.00	USCGS

Station located at Hickman-Waterford Road Bridge, immediately SE of Waterford.

§ Irrigation season only.

TABLE 295

DAILY MEAN GAGE HEIGHT

DRY CREEK NEAR MODESTO

STATION NO	WATER YEAR
804130	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	68.02	67.65	67.97	67.52	67.47	68.98	68.47	68.65	68.52	68.46	68.31	69.41	1
2	68.03	67.65	68.01	67.51	67.45	68.73	68.54	68.53	68.52	68.47	68.22	69.33	2
3	68.03	67.64	68.30	67.50	67.46	69.43	68.45	68.65	68.49	68.65	68.36	69.31	3
4	67.98	67.69	68.60	67.48	67.47	70.09	68.37	68.50	68.52	68.53	68.33	69.34	4
5	67.93	67.66	68.21	67.48	67.47	69.21	68.50	68.49	68.56	68.37	68.39	69.37	5
6	68.01	67.62	68.07	67.48	67.46	70.08	68.50	68.60	68.55	68.34	68.45	69.41	6
7	67.99	67.61	67.96	67.47	67.48	77.00	68.51	68.67	68.56	68.43	68.32	69.44	7
8	67.90	67.57	67.85	67.46	67.63	72.57	68.51	68.73	68.54	68.37	68.45	69.34	8
9	67.82	67.58	67.77	67.45	69.49	70.24	68.45	68.60	68.54	68.41	68.36	69.45	9
10	67.81	67.60	67.68	67.45	75.21	69.57	68.36	68.38	68.76	68.54	68.33	69.47	10
11	67.79	67.60	67.63	67.44	78.16	69.14	68.44	68.21	68.44	68.42	68.47	69.42	11
12	67.80	67.58	67.61	67.44	77.78	68.88	68.37	68.38	68.36	68.44	68.33	69.33	12
13	67.81	67.57	67.57	67.42	72.31	68.77	68.50	68.42	68.36	68.51	68.45	69.28	13
14	67.77	67.58	67.57	67.43	76.93	68.67	68.39	68.52	68.37	68.49	68.43	69.24	14
15	67.71	67.59	67.54	67.42	77.04	68.52	68.41	68.61	68.38	68.53	68.39	69.22	15
16	67.60	67.60	67.53	67.43	81.44	68.40	68.38	68.59	68.50	68.54	68.37	69.36	16
17	67.65	67.64	67.54	67.43	76.05	68.32	68.40	68.72	68.68	68.52	68.34	69.29	17
18	67.60	67.65	67.58	67.43	71.99	68.25	68.53	68.82	68.84	68.32	68.38	69.27	18
19	67.52	67.71	67.59	67.44	71.40	68.19	68.51	68.77	68.65	68.40	68.35	69.13	19
20	67.61	67.81	67.56	67.60	72.78	68.13	68.67	68.67	68.53	68.33	68.34	68.98	20
21	67.75	68.27	67.55	67.87	70.81	68.08	68.51	68.66	68.34	68.22	68.42	68.43	21
22	67.68	68.35	67.64	67.84	69.96	68.05	68.45	68.67	68.27	68.22	68.35	68.34	22
23	67.64	68.03	67.65	67.80	69.49	68.01	68.58	68.57	68.32	68.18	68.20	68.36	23
24	67.60	67.79	67.57	67.75	69.19	67.97	68.62	68.61	68.32	68.21	68.23	68.32	24
25	67.60	67.67	67.57	67.67	68.97	68.13	68.54	68.53	68.32	68.17	68.26	68.31	25
26	67.59	67.67	67.57	67.60	68.89	68.09	68.49	68.69	68.41	68.10	68.29	68.25	26
27	67.60	67.80	67.50	67.55	69.66	67.97	68.50	68.87	68.38	68.13	68.41	68.31	27
28	67.58	67.82	67.47	67.51	69.42	67.84	68.80	68.93	68.56	68.19	68.25	68.26	28
29	67.68	67.75	67.45	67.48		68.89	68.70	68.84	68.49	68.28	68.35	68.26	29
30	67.64	67.84	67.45	67.46		68.38	68.75	68.75	68.50	68.34	69.04	68.30	30
31	67.62		67.51	67.47		68.52		68.61		68.34	68.99		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	0500	68.7	2-16-62	0320	82.9	3- 3-62	2100	71.1			
2-12-62	0300	80.3	2-20-62	0410	73.5	3- 7-62	1400	78.3			
2-14-62	1100	78.6	2-27-62	1430	70.3	3-29-62	1000	69.6			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
37 39 26	120 55 19	SE24 3S 9E	7710	88.04	12/23/55	MAR 41-DATE	MAR 41-DATE	1941		0.00	USCGS

Station located 0.1 mi. below Claus Road bridge, 4 mi. E of Modesto. Tributary to Tuolumne River. Prior to Mar. 1941, records available for a site 2.5 mi. downstream. Station is Department of Water Resources Modesto Irrigation District Cooperative.

TABLE 296

DAILY MEAN GAGE HEIGHT

TUOLUMNE RIVER AT MODESTO

STATION NO	WATER YEAR
B04120	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	41.20	41.14	41.15	41.14	41.14	42.01	42.25	41.31	41.26	41.27	41.26	41.55	1
2	41.20	41.20	41.16	41.14	41.13	41.97	42.03	41.30	41.26	41.28	41.25	41.60	2
3	41.21	41.30	41.17	41.13	41.13	42.02	41.93	41.29	41.27	41.29	41.27	41.59	3
4	41.21	41.43	41.21	41.13	41.14	42.24	41.92	41.28	41.24	41.28	41.29	41.59	4
5	41.21	41.46	41.18	41.13	41.14	42.18	41.93	41.26	41.29	41.26	41.29	41.60	5
6	41.21	41.47	41.16	41.13	41.14	42.28	41.93	41.27	41.27	41.20	41.30	41.60	6
7	41.21	41.48	41.15	41.13	41.16	43.60	41.91	41.29	41.25	41.22	41.30	41.60	7
8	41.20	41.42	41.15	41.14	41.13	44.58	41.93	41.29	41.28	41.22	41.33	41.61	8
9	41.19	41.44	41.14	41.14	41.28	47.38	41.92	41.28	41.25	41.24	41.28	41.65	9
10	41.18	41.42	41.14	41.11	42.22	47.66	41.89	41.24	41.33	41.22	41.28	41.60	10
11	41.13	41.28	41.14	41.13	43.11	45.16	41.90	41.28	41.28	41.23	41.33	41.52	11
12	41.17	41.19	41.14	41.14	43.53	43.72	41.90	41.29	41.26	41.25	41.33	41.35	12
13	41.17	41.16	41.14	41.14	42.16	43.55	41.80	41.34	41.25	41.27	41.35	41.34	13
14	41.17	41.13	41.14	41.13	42.89	43.43	41.46	41.31	41.25	41.27	41.32	41.33	14
15	41.16	41.12	41.14	41.13	42.96	43.46	41.38	41.32	41.24	41.28	41.32	41.35	15
16	41.17	41.12	41.14	41.13	45.03	43.42	41.35	41.32	41.23	41.28	41.30	41.39	16
17	41.16	41.12	41.13	41.14	44.87	42.88	41.31	41.32	41.28	41.25	41.27	41.38	17
18	41.10	41.10	41.14	41.14	44.46	42.93	41.29	41.33	41.31	41.25	41.28	41.37	18
19	41.09	41.11	41.14	41.15	44.36	42.83	41.30	41.31	41.27	41.37	41.32	41.36	19
20	41.09	41.17	41.14	41.18	45.12	42.50	41.31	41.36	41.26	41.30	41.33	41.34	20
21	41.10	41.16	41.15	41.20	44.80	42.47	41.31	41.33	41.23	41.24	41.32	41.30	21
22	41.14	41.17	41.16	41.19	44.43	42.45	41.29	41.33	41.24	41.23	41.33	41.32	22
23	41.14	41.15	41.16	41.18	44.08	42.44	41.32	41.32	41.24	41.25	41.35	41.35	23
24	41.13	41.14	41.16	41.17	44.54	42.37	41.29	41.30	41.28	41.24	41.35	41.33	24
25	41.08	41.14	41.16	41.16	43.89	42.30	41.28	41.32	41.30	41.22	41.35	41.32	25
26	41.11	41.13	41.15	41.15	42.59	42.37	41.28	41.32	41.26	41.23	41.37	41.31	26
27	41.06	41.14	41.15	41.14	42.18	42.34	41.28	41.34	41.23	41.24	41.38	41.31	27
28	41.07	41.14	41.15	41.14	42.13	42.31	41.31	41.34	41.26	41.27	41.39	41.31	28
29	41.08	41.14	41.14	41.14		42.37	41.32	41.32	41.28	41.29	41.34	41.34	29
30	41.09	41.15	41.14	41.14		42.37	41.31	41.31	41.29	41.35	41.48	41.32	30
31	41.10		41.13	41.14		42.26		41.28		41.31	41.55		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-16-62	0900	45.52	3-10-62	1200	47.76						
2-17-62	1500	45.49									
2-20-62	1600	45.43									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 37 38	120 59 20	SW33 3S 9E	57000	69.19	12/ 9/50	JAN 95-DEC 96 MAR 40-DATE	78- 84 91- 97 MAR 40-DATE	1940		0.00	USCGS

Station located at U. S. Highway 99 Bridge. Records furn. by U.S.G.S.

TABLE 297

DAILY MEAN GAGE HEIGHT

TUOLUMNE RIVER AT TUOLUMNE CITY

STATION NO	WATER YEAR
B04105	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	23.18	23.24	23.40	23.24	23.23	27.30	27.22	24.08	23.80	23.76	23.68	24.13	1
2	23.17	23.30	23.45	23.24	23.23	26.94	26.51	24.14	23.81	23.78	23.59	24.27	2
3	23.13	23.48	23.42	23.24	23.23	26.86	26.15	24.09	23.85	23.84	23.54	24.20	3
4	23.12	23.89	23.45	23.24	23.22	27.44	26.02	24.01	23.71	23.74	23.61	24.09	4
5	23.08	24.24	23.52	23.23	23.21	27.41	25.96	23.97	23.77	23.65	23.73	24.08	5
6	23.10	24.34	23.46	23.26	23.22	27.57	25.97	23.93	23.94	23.63	23.73	24.14	6
7	23.15	24.38	23.40	23.45	23.27	29.29	25.87	24.09	23.83	23.63	23.67	24.15	7
8	23.16	24.41	23.38	23.30	23.36	30.63	25.89	23.98	23.78	23.68	23.69	24.28	8
9	23.22	24.40	23.36	23.28	23.61	33.06	25.86	23.93	23.81	23.64	23.75	24.36	9
10	23.20	24.43	23.33	23.28	24.77	33.70	25.82	23.93	23.96	23.55	23.82	24.35	10
11	23.21	24.26	23.33	23.32	27.76	32.72	25.74	24.26	24.03	23.56	23.81	24.18	11
12	23.22	23.84	23.34	23.28	29.15	30.79	25.74	24.52	23.96	23.60	23.88	24.15	12
13	23.16	23.59	23.32	23.36	27.74	30.23	25.70	24.43	23.97	23.70	23.84	24.08	13
14	23.18	23.46	23.32	23.28	27.50	29.99	24.92	24.18	23.87	23.74	23.81	24.04	14
15	23.17	23.38	23.31	23.26	28.83	29.86	24.48	24.01	23.83	23.83	23.81	24.04	15
16	23.13	23.39	23.31	23.27	31.16	29.77	24.48	23.94	23.72	23.78	23.82	24.17	16
17	23.12	23.31	23.29	23.25	32.37	29.32	24.32	23.87	23.81	23.69	23.73	24.24	17
18	23.12	23.29	23.28	23.25	32.87	29.05	24.24	23.92	23.83	23.62	23.67	24.13	18
19	23.14	23.29	23.29	23.27	32.83	28.98	24.23	23.89	23.79	23.82	23.77	24.08	19
20	23.09	23.45	23.28	23.42	33.34	28.40	24.21	23.92	23.68	23.96	23.83	24.03	20
21	23.08	23.52	23.27	23.41	33.43	27.98	24.23	23.97	23.63	23.76	23.80	24.00	21
22	23.16	23.45	23.26	23.44	33.04	27.91	24.18	23.93	23.67	23.66	23.84	23.96	22
23	23.15	23.43	23.28	23.44	32.38	27.92	24.12	23.91	23.67	23.69	23.83	24.05	23
24	23.18	23.37	23.27	23.38	32.08	27.67	24.07	23.84	23.80	23.62	23.78	24.05	24
25	23.15	23.34	23.25	23.34	31.76	27.46	24.01	23.92	23.78	23.53	23.83	24.03	25
26	23.10	23.39	23.24	23.33	30.04	27.61	23.95	23.86	23.69	23.54	23.92	24.00	26
27	23.18	23.33	23.25	23.30	28.32	27.47	24.01	23.96	23.63	23.55	23.89	23.98	27
28	23.23	23.34	23.24	23.27	27.76	27.36	24.06	23.98	23.59	23.53	23.85	24.00	28
29	23.23	23.36	23.24	23.25		27.37	24.13	23.95	23.69	23.67	23.77	24.07	29
30	23.21	23.40	23.24	23.25		27.42	24.11	23.97	23.71	23.75	23.82	24.09	30
31	23.20		23.23	23.24		27.27		23.91		23.78	24.04		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-10-61	1000	24.44	2-20-62	1800	33.55	5-12-62	1700	24.58			
2-12-62	1600	29.45	3- 8-62	0200	30.55	5-30-62	0900	24.05			
2-14-62	0300	29.00	3-10-62	1800	33.80	6-11-62	1300	24.10			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 36 12	121 07 50	NW 7 4S 8E		46.65	12/9/50	30-DATE	30-DATE		1959	0.00	USED
								1960		0.00	USCGS
								1960		3.50	USED

Station located at highway bridge, 3.35 mi. above mouth. Backwater at times affects the atage-discharge relationship. Records furn. by City of San Francisco.

TABLE 298

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT WEST STANISLAUS I. O. INTAKE

STATION NO	WATER YEAR
807070	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	18.56	18.71	19.35	19.03	19.58	25.91	23.32	18.94	20.10	20.04	18.71	19.29	1
2	18.62	18.74	19.45	19.04	19.56	25.52	22.85	18.79	20.22	19.74	18.64	19.33	2
3	18.42	18.78	19.49	19.02	19.54	25.30	22.46	18.76	20.52	19.44	18.51	19.50	3
4	18.47	18.88	19.54	19.01	19.50	25.40	22.12	18.90	20.90	19.05	18.54	19.50	4
5	18.43	19.08	19.66	19.03	19.47	25.40	21.86	18.92	22.13	19.01	18.90	19.37	5
6	18.43	19.15	19.68	19.01	19.44	25.50	21.73	19.09	22.99	18.91	19.10	19.47	6
7	18.52	19.17	19.68E	19.07	19.46	26.45	21.55	19.33	22.40	18.82	18.93	19.48	7
8	18.61	19.21	19.67E	19.05	19.49	27.98	21.46	19.33	21.92	18.87	18.79	19.59	8
9	18.66	19.20	19.66E	19.18	19.72	29.48	21.35	20.03	22.10	19.00	18.73	19.67	9
10	18.68	19.21	19.62E	19.38	20.62	30.18	21.20	22.44	22.52	18.90	18.72	19.75	10
11	18.65	19.17	19.57E	19.55	23.10	29.92	21.05	23.65	22.79	18.83	18.56	19.54	11
12	18.65	19.00	19.53E	19.64	25.27	28.45	20.97	24.09	23.19	19.02	18.80	19.41	12
13	18.63	18.88	19.48E	19.67	26.04	27.61	20.97	23.64	23.26	19.18	18.91	19.33	13
14	18.64	18.83	19.43E	19.66	26.39	27.07	20.60	23.07	22.90	19.20	18.80	19.33	14
15	18.64	18.80	19.38E	19.61	27.73	26.68	20.24	22.42	22.59	19.19	18.41	19.33	15
16	18.65	18.78	19.33E	19.60	29.62	26.47	20.10	21.45	22.28	19.03	18.63	19.39	16
17	18.60	18.72	19.28E	19.53	31.09	26.17	19.86	21.26	22.23	18.86	18.69	19.40	17
18	18.61	18.72	19.24E	19.48	31.86	25.89	19.63	21.13	21.99	18.63	18.54	19.35	18
19	18.60	18.75	19.20E	19.52	32.02	25.80	19.52	20.78	21.38	18.76	18.63	19.24	19
20	18.57	18.91	19.20	20.12	32.41	25.47	19.55	20.76	21.08	18.81	18.75	19.39	20
21	18.56	19.04	19.18	20.41	32.53	25.09	19.63	21.02	21.26	18.64	18.72	19.53	21
22	18.66	19.05	19.16	20.85	32.11	24.95	19.67	20.78	21.74	18.70	18.68	19.53	22
23	18.69	19.09	19.15	20.88	31.38	24.91	19.51	20.49	21.98	18.73	18.70	19.58	23
24	18.70	19.13	19.14	20.31	30.60	24.76	19.29	20.32	21.90	18.19	18.94	19.68	24
25	18.68	19.21	19.12	19.93	30.03	24.48	19.04	20.37	21.70	17.74	19.02	19.72	25
26	18.61	19.32	19.10	19.82	28.59	24.41	18.89	20.79	21.47	18.17	19.21	19.81	26
27	18.59	19.34	19.09	19.76	27.11	24.26	19.02	21.08	20.92	17.83	19.28	19.77	27
28	18.65	19.35	19.08	19.71	26.35	23.95	19.04	21.01	20.45	17.95	19.28	19.73	28
29	18.69	19.33	19.08	19.66		23.63	19.14	20.75	20.19	18.34	19.22	19.72	29
30	18.63	19.33	19.09	19.67		23.56	19.03	20.48	20.07	18.50	19.07	19.84	30
31	18.66		19.06	19.67		23.46		20.30		18.59	19.12		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-23-62	1300	21.0	5-12-62	1300	24.2						
2-20-62	2400	32.6									
3-10-62	2400	30.4									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 36 07	121 10 51	SE10 4S 7E					DEC 50-DATE		1959	0.00	USED
								1959		0.00	USCGS
								1959		3.67	USED

Station located at intake gates for W. S. I. D. Canal, 2.6 mi. N of Grayson.

TABLE 299

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE

STATION NO	WATER YEAR
807040	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.33	13.58	14.21	13.93	14.50	21.13	18.46	15.41	15.42	15.53	14.03	14.37	1
2	13.43	13.59	14.30	13.93	14.49	20.60	18.15	15.04	15.54	15.28	13.98	14.51	2
3	13.25	13.64	14.36	13.93	14.47	20.19	17.74	15.07	17.57	15.06	13.97	14.65	3
4	13.24	13.71	14.39	13.94	14.44	20.17	17.37	15.09	18.54	14.82	13.92	14.63	4
5	13.25	13.90	14.50	13.95	14.41	20.19	16.97	15.01	19.26	14.69	14.11	14.49	5
6	13.24	14.00	14.57	13.95	14.39	20.21	16.83	15.47	19.78	14.62	14.34	14.54	6
7	13.33	14.03	14.55	13.99	14.39	20.95	16.71	16.19	18.95	14.51	14.20	14.57	7
8	13.42	14.05	14.56	13.99	14.41	22.40	16.63	16.63	17.82	14.47	14.14	14.66	8
9	13.46	14.07	14.55	14.06	14.62	23.60	16.50	17.01	18.01	14.55	14.11	14.83	9
10	13.46	14.09	14.52	14.18	15.33	24.41	16.38	18.54	18.71	14.49	14.14	14.97	10
11	13.47	14.09	14.45	14.43	17.37	24.43	16.23	19.51	18.85	14.42	14.06	14.80	11
12	13.46	13.93	14.39	14.56	19.46	23.38	16.16	19.92	19.33	14.39	14.09	14.67	12
13	13.43	13.80	14.31	14.62	20.47	22.63	16.14	19.55	19.65	14.49	14.18	14.55	13
14	13.39	13.69	14.27	14.63	20.62	22.14	15.89	18.97	19.36	14.54	14.13	14.48	14
15	13.49	13.67	14.23	14.60	21.78	21.83	15.49	18.38	18.85	14.55	13.86	14.52	15
16	13.49	13.64	14.20	14.59	23.44	21.65	15.38	17.44	18.21	14.49	13.89	14.55	16
17	13.41	13.62	14.13	14.54	25.09	21.47	15.12	16.74	17.79	14.31	14.01	14.57	17
18	13.37	13.57	14.10	14.45	25.77	21.06	14.90	16.48	17.48	14.17	13.91	14.53	18
19	13.40	13.60	14.09	14.45	25.97	20.84	15.08	16.19	16.75	14.18	13.90	14.47	19
20	13.41	13.75	14.10	14.90	26.26	20.59	15.26	16.07	16.83	14.23	14.04	14.51	20
21	13.38	13.89	14.08	15.25	26.48	20.16	15.58	16.27	17.38	14.19	14.02	14.72	21
22	13.50	13.90	14.06	15.65	26.21	19.99	15.92	16.15	17.69	14.15	13.95	14.72	22
23	13.54	13.93	14.06	15.76	25.66	19.93	15.80	16.08	17.79	14.23	13.97	14.77	23
24	13.51	13.95	14.05	15.38	25.02	19.81	15.54	16.02	17.77	13.97	14.09	14.83	24
25	13.50	14.03	14.04	14.91	24.57	19.56	15.38	16.02	17.35	13.91	14.17	14.83	25
26	13.46	14.13	14.01	14.74	23.55	19.41	15.31	16.27	16.90	13.87	14.27	14.87	26
27	13.45	14.19	13.99	14.67	22.32	19.32	15.45	16.54	16.42	13.79	14.37	14.82	27
28	13.51	14.20	13.96	14.59	21.55	19.15	15.60	16.36	15.96	13.78	14.31	14.84	28
29	13.59	14.21	13.98	14.53		18.85	15.67	16.11	15.67	13.91	14.33	14.90	29
30	13.55	14.21	13.98	14.52		18.68	15.65	15.81	15.54	13.91	14.14	14.92	30
31	13.55		13.96	14.52		18.53		15.65		13.94	14.22		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-23-62	1630	15.8	5-12-62	1110	20.0						
2-21-62	1550	26.5	6-13-62	0820	19.7						
3-11-62	0550	24.6									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.O.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 38 28	121 13 37	SW29 3S 7E		39.8	12/ 9/50	JAN 50-MAR 52	SEP 43-DATE	1943	1959	0.00	USED
								1959		0.00	USCGS
								1959		3.41	USED

Station located at State Highway 132 Bridge, 13 mi. W of Modesto.

TABLE 300

DAILY MEAN GAGE HEIGHT

STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

STATION NO	WATER YEAR
803175	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	1.62	1.53	1.50	3.64	3.57	4.22	5.24	1.92	1.48	1.44	1
2	NR	NR	1.84	1.51	1.50	3.37	3.22	4.15	9.70	1.90	1.50	1.47	2
3	NR	1.69	1.90	1.49	1.49	3.20	2.22	4.39	9.15	1.88	1.51	1.45	3
4	NR	1.62	1.64	1.52	1.49	3.12	2.09	4.87	8.82	1.69	1.54	1.40	4
5	NR	1.60	1.59	1.52	1.49	3.54	1.99	6.13	7.92	1.66	1.50	1.35	5
6	NR	1.59	1.57	1.51	1.50	5.10	1.96	7.22	5.95	1.67	1.45	1.38	6
7	NR	1.60	1.56	1.52	1.56	5.19	2.21	7.62	4.53	1.64	1.43	1.40	7
8	NR	1.58	1.56	1.52	1.69	6.18	2.26	7.62	6.20	1.63	1.48	1.38	8
9	NR	1.59	1.56	1.52	2.46	6.15	2.19	7.56	6.61	1.60	1.48	1.38	9
10	NR	1.68	1.56	1.52	2.84	6.12	2.14	7.47	6.44	1.55	1.50	1.36	10
11	NR	1.71	1.55	1.51	2.91	6.11	2.16	7.10	7.53	1.54	1.50	1.32	11
12	NR	1.70	1.55	1.55	2.02	6.10	2.14	6.17	7.64	1.57	1.52	1.36	12
13	NR	1.72	1.57	1.57	2.48	6.02	2.15	5.78	6.78	1.61	1.49	1.46	13
14	NR	1.62	1.53	1.56	2.88	5.83	2.15	5.32	6.00	1.59	1.57	1.41	14
15	NR	1.53	1.54	1.56	7.60	6.07	2.14	4.14	5.39	1.58	1.43	1.39	15
16	NR	1.59	1.55	1.55	6.75	6.05	2.44	2.12	6.18	1.56	1.42	1.41	16
17	NR	1.60	1.56	1.55	6.38	4.63	4.01	2.06	7.17	1.54	1.46	1.37	17
18	NR	1.61	1.55	1.55	6.25	4.51	5.28	2.04	7.24	1.45	1.45	1.33	18
19	NR	1.64	1.55	1.59	6.32	4.45	5.14	2.03	5.76	1.43	1.47	1.33	19
20	NR	1.71	1.54	1.69	6.18	3.84	5.84	2.05	6.39	1.45	1.46	1.35	20
21	NR	1.69	1.54	1.67	6.09	3.86	5.67	3.25	5.77	1.45	1.47	1.38	21
22	NR	1.63	1.54	1.59	6.04	3.87	5.53	3.88	5.47	1.44	1.43	1.37	22
23	NR	1.60	1.55	1.58	6.03	3.88	5.44	3.87	5.14	1.44	1.44	1.41	23
24	NR	1.60	1.56	1.57	6.04	3.87	5.44	3.76	4.14	1.45	1.44	1.39	24
25	NR	1.63	1.56	1.56	6.02	3.88	NR	3.02	3.25	1.45	1.43	1.41	25
26	NR	1.66	1.56	1.56	6.08	4.09	NR	2.06	3.25	1.43	1.41	1.35	26
27	NR	1.62	1.56	1.55	5.98	4.43	NR	2.02	2.81	1.46	1.42	1.37	27
28	NR	1.59	1.56	1.56	5.69	3.78	NR	2.01	2.39	1.45	1.35	1.42	28
29	NR	1.61	1.56	1.57		3.52	NR	1.99	1.98	1.45	1.37	1.42	29
30	NR	1.62	1.55	1.53		3.15	NR	1.99	1.95	1.42	1.40	1.40	30
31	NR		1.58	1.51		3.56		2.13		1.42	1.46		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-62	0630	10.1	5- 6-62	2150	7.7						
3- 7-62	2150	6.2	6- 1-62	2400	10.0						
4-20-62	1700	5.9									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 47 18	120 45 41	SW 4 2S 11E	52000	30.05	11/21/50	6/28-12/39δ 4/40-DATE	6/28-12/39δ 4/40-DATE			0.00	LOCAL

Station located at bridge, 5.0 mi. E of Oakdale. Flow regulated by reservoirs and power plants.

δ Irrigation season only.

TABLE 301

DAILY MEAN GAGE HEIGHT

STANISLAUS RIVER AT RIVERBANK

STATION NO	WATER YEAR
803145	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	73.98	74.42	74.16	73.91	73.84	77.38	76.30	77.08	75.33	73.84	72.94	73.04	1
2	73.95	74.44	74.22	73.91	73.80	76.21	76.18	76.88	81.91	73.76	72.96	73.01	2
3	74.00	74.41	74.39	73.88	73.80	76.31	75.17	77.04	82.10	73.68	73.01	73.01	3
4	74.06	74.37	74.64	73.89	73.79	76.05	74.56	77.23	81.72	73.58	72.99	72.94	4
5	74.13	74.30	74.31	73.89	73.78	76.04	74.26	78.20	81.20	73.37	73.02	72.97	5
6	74.14	74.26	74.13	73.89	73.78	77.59	74.21	79.37	79.41	73.34	73.03	72.92	6
7	74.14	74.22	74.05	73.89	73.83	78.02	74.22	80.15	77.43	73.26	72.96	72.95	7
8	74.12	74.19	74.02	73.88	73.91	78.81	74.59	80.17	78.27	73.23	72.90	72.97	8
9	74.10	74.19	74.00	73.87	74.32	78.91	74.58	80.13	79.61	73.22	72.92	72.96	9
10	74.11	74.17	73.98	73.87	75.84	78.88	74.44	80.08	78.90	73.16	72.96	72.94	10
11	74.11	74.23	73.97	73.88	76.44	78.86	74.42	79.91	79.98	73.17	73.00	72.90	11
12	74.12	74.25	73.96	73.86	75.90	78.84	74.39	79.03	80.45	73.20	73.02	72.89	12
13	74.14	74.28	73.97	73.91	74.80	78.78	74.37	78.42	79.81	73.21	73.07	72.89	13
14	74.15	74.28	73.96	73.89	75.96	78.66	74.37	78.25	79.05	73.24	72.98	72.96	14
15	74.15	74.26	73.95	73.89	79.16	78.70	74.34	77.43	77.88	73.20	72.98	72.98	15
16	74.16	74.16	73.95	73.88	79.86	78.78	74.36	75.20	76.84	73.18	72.95	73.02	16
17	74.17	74.10	73.94	73.88	79.35	78.00	75.48	74.44	76.01	73.12	72.92	73.01	17
18	74.13	74.13	73.95	73.88	79.14	77.42	77.91	74.28	74.57	73.08	72.95	72.99	18
19	74.10	74.12	73.96	73.89	79.15	77.45	77.43	74.25	77.39	72.97	72.97	72.98	19
20	74.15	74.23	73.95	73.99	79.08	76.88	78.34	74.29	78.99	72.97	72.96	72.97	20
21	74.24	74.31	73.96	74.05	78.97	76.71	78.32	75.03	78.62	72.97	72.98	73.00	21
22	74.28	74.24	73.97	74.06	78.92	76.71	78.18	76.34	78.09	72.98	72.98	73.03	22
23	74.26	74.16	73.95	73.96	78.88	76.70	78.08	76.52	77.97	72.95	72.99	72.99	23
24	74.27	74.11	73.96	73.90	78.88	76.66	78.03	76.52	77.11	72.94	72.99	73.00	24
25	74.30	74.10	73.97	73.88	78.86	76.64	78.07	76.14	75.93	72.98	72.99	73.00	25
26	74.35	74.15	73.96	73.88	78.90	76.66	78.11	74.72	75.81	72.94	72.98	73.04	26
27	74.38	74.15	73.96	73.88	78.82	77.22	78.14	74.35	75.36	72.92	72.98	73.09	27
28	74.50	74.13	73.95	73.87	78.75	76.81	78.13	74.25	75.05	72.95	73.01	73.06	28
29	74.45	74.11	73.93	73.87		76.60	78.16	74.18	74.25	72.93	72.97	73.07	29
30	74.37	74.12	73.91	73.87		75.81	78.02	74.11	73.92	72.94	72.94	73.07	30
31	74.38		73.92	73.84		76.27		74.06		72.92	73.02		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-62	1420	81.4	4-21-62	0140	78.4	6-20-62	1210	79.0			
3- 8-62	1300	78.9	5- 7-62	1230	80.2						
3-27-62	1000	77.2	6- 2-62	1610	82.6						

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 44 31	120 56 21	SW24 2S 9E	85800	103.18	12/23/55	JUL 40-DATE	JUL 40-DATE	1940		0.00	USCOS

Station located at Burneyville Bridge, immediately N of Riverbank.

TABLE 302

DAILY MEAN GAGE HEIGHT

STANISLAUS RIVER AT RIPON

STATION NO	WATER YEAR
803125	1962

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	37.15	37.55	37.56	37.41	37.38	44.50	41.48	43.47	39.02	39.23	37.41	37.38	1
2	37.13	37.56	37.61	37.41	37.37	42.31	41.63	42.77	44.24	39.06	37.42	37.59	2
3	37.11	37.62	37.66	37.42	37.35	41.62	40.89	42.56	49.82	38.82	37.48	37.59	3
4	37.11	37.62	37.70	37.41	37.35	41.29	39.65	42.74	50.09	38.66	37.57	37.50	4
5	37.12	37.61	37.87	37.40	37.34	41.06	39.15	43.30	49.82	38.51	37.63	37.43	5
6	37.14	37.60	37.83	37.39	37.34	41.65	38.86	44.92	48.31	38.33	37.72	37.35	6
7	37.18	37.57	37.68	37.39	37.35	43.49	38.73	46.56	45.35	38.23	37.82	37.42	7
8	37.18	37.54	37.61	37.38	37.37	44.10	38.80	47.19	43.98	38.27	37.53	37.59	8
9	37.17	37.49	37.56	37.37	37.45	44.97	39.08	47.28	46.06	38.12	37.36	37.54	9
10	37.20	37.48	37.54	37.37	38.12	44.98	39.03	47.30	46.16	37.93	37.27	37.28	10
11	37.21	37.48	37.52	37.37	39.87	44.97	38.76	47.25	46.53	37.95	37.41	37.18	11
12	37.21	37.49	37.49	37.37	40.70	44.99	38.78	46.57	47.80	38.03	37.47	37.23	12
13	37.19	37.51	37.42	37.38	39.99	45.00	38.72	45.41	47.81	38.04	37.53	37.32	13
14	37.17	37.53	37.40	37.39	39.50	44.91	38.57	44.93	46.63	38.09	37.57	37.29	14
15	37.20	37.56	37.39	37.40	41.12	44.73	38.58	44.17	45.36	37.97	37.52	37.27	15
16	37.18	37.57	37.39	37.40	46.77	44.97	38.66	42.58	43.78	38.06	37.49	37.47	16
17	37.17	37.55	37.38	37.39	46.25	44.73	38.78	40.49	42.61	38.03	37.61	37.47	17
18	37.18	37.48	37.38	37.39	45.94	43.27	41.47	39.94	41.20	37.83	37.61	37.36	18
19	37.20	37.50	37.40	37.39	46.08	42.99	42.94	39.56	41.40	37.63	37.47	37.17	19
20	37.22	37.58	37.44	37.44	46.25	42.81	43.39	39.52	44.96	37.60	37.43	37.18	20
21	37.26	37.59	37.43	37.48	45.98	42.12	44.25	39.61	45.60	37.64	37.31	37.13	21
22	37.29	37.66	37.43	37.52	45.38	42.01	44.30	41.08	44.81	37.57	37.26	37.13	22
23	37.36	37.66	37.43	37.54	45.28	41.98	44.24	41.89	44.57	37.62	37.32	37.38	23
24	37.39	37.60	37.43	37.50	45.25	41.93	44.09	42.06	43.83	37.61	37.29	37.40	24
25	37.41	37.54	37.43	37.46	45.26	41.88	44.05	41.93	42.43	37.47	37.34	37.38	25
26	37.42	37.52	37.43	37.43	45.24	41.87	44.09	41.07	41.58	37.53	37.31	37.39	26
27	37.44	37.52	37.42	37.41	45.28	42.18	44.12	39.77	41.28	37.46	37.25	37.46	27
28	37.47	37.54	37.42	37.39	45.14	42.48	44.17	39.45	40.76	37.52	37.28	37.55	28
29	37.52	37.56	37.42	37.38		41.92	44.28	39.22	40.24	37.51	37.47	37.55	29
30	37.60	37.56	37.41	37.38		41.41	44.37	39.07	39.51	37.44	37.35	37.74	30
31	37.57		37.41	37.38		41.05		39.08		37.35	37.35		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-16-62	0700	47.04	6- 4-62	0500	50.19						
5-11-62	2200	47.31	6-13-62	0100	48.11						
5-25-62	0300	42.14	6-21-62	0600	45.77						

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 43 50	121 06 35	SE29 2S 8E	62500	63.25	12/24/55	APR 40-DATE	APR 40-DATE	1940		0.00	USGS

Station located 15 ft. below the Southern Pacific Railroad Bridge, 1.0 mi. SE of Ripon. Records furn. by U.S.G.S.

TABLE 303

DAILY MEAN GAGE HEIGHT

STANISLAUS RIVER AT KOETITZ RANCH

STATION NO	WATER YEAR
803115	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	26.35	26.75	26.73	26.55	26.55	33.89	30.81	32.97	28.44	29.00	27.00	26.95	1
2	26.35	26.75	26.77	26.56	26.54	31.94	30.97	32.20	32.02	28.72	26.90	27.29	2
3	26.34	26.80	26.82	26.57	26.52	30.94	30.52	31.90	38.31	28.42	26.97	27.30	3
4	26.36	26.83	26.83	26.57	26.51	30.68	29.36	32.02	38.89	28.31	27.10	27.13	4
5	26.35	26.80	26.91	26.57	26.51	30.40	28.71	32.48	38.77	28.11	27.25	27.14	5
6	26.34	26.79	26.98	26.57	26.50	30.63	28.35	33.94	37.64	27.99	27.33	27.10	6
7	26.43	26.76	26.88	26.56	26.53	32.64	28.30	35.52	35.03	27.74	27.16	27.08	7
8	26.53	26.74	26.80	26.55	26.54	33.24	28.21	36.21	33.35	27.68	27.16	27.24	8
9	26.52	26.67	26.74	26.55	27.02	34.09	28.45	36.39	35.02	27.81	27.06	27.21	9
10	26.52	26.64	26.73	26.55	27.30	34.17	28.46	36.43	35.49	27.57	26.94	27.23	10
11	26.53	26.66	26.70	26.52	28.68	34.17	28.30	36.38	35.61	27.47	26.93	27.01	11
12	26.51	26.68	26.69	26.53	29.58	34.18	28.27	35.88	36.78	27.43	27.04	26.97	12
13	26.52	26.69	26.68	26.54	29.62	34.19	28.22	34.85	37.00	27.56	27.00	26.92	13
14	26.50	26.70	26.66	26.57	29.04	34.10	28.06	34.34	36.04	27.61	27.01	26.96	14
15	26.45	26.74	26.63	26.57	29.77	33.93	27.95	33.68	34.94	27.53	27.07	26.93	15
16	26.45	26.76	26.62	26.56	34.96	34.11	28.01	32.46	33.41	27.46	27.04	27.04	16
17	26.39	26.75	26.61	26.56	35.15	34.06	28.05	30.49	32.28	27.56	27.19	27.16	17
18	26.44	26.71	26.61	26.56	34.72	32.77	29.74	29.61	31.16	27.46	27.17	27.07	18
19	26.45	26.71	26.61	26.56	34.89	32.32	32.05	29.12	30.54	27.36	27.30	26.96	19
20	26.45	26.79	26.62	26.63	35.10	32.19	32.38	29.13	33.75	27.20	27.04	26.98	20
21	26.49	26.80	26.60	26.70	34.93	31.53	33.36	29.12	34.81	27.19	26.93	26.93	21
22	26.51	26.82	26.59	26.70	34.34	31.35	33.63	30.23	34.19	27.29	26.91	26.80	22
23	26.56	26.86	26.61	26.71	34.21	31.30	33.56	31.23	33.87	27.11	26.76	27.01	23
24	26.60	26.83	26.60	26.70	34.17	31.27	33.39	31.47	33.47	27.14	26.90	27.15	24
25	26.62	26.78	26.60	26.66	34.17	31.23	33.29	31.40	32.31	26.86	26.90	27.02	25
26	26.63	26.74	26.60	26.63	34.17	31.19	33.43	30.76	31.29	27.09	26.94	27.08	26
27	26.65	26.70	26.59	26.60	34.24	31.37	33.47	29.49	30.90	27.02	26.86	27.05	27
28	26.67	26.69	26.59	26.60	34.19	31.80	33.50	29.22	30.36	27.12	26.86	27.38	28
29	26.70	26.72	26.60	26.57		31.28	33.55	28.99	29.95	26.99	27.09	27.39	29
30	26.76	26.72	26.59	26.56		30.88	33.65	28.74	29.25	26.96	26.93	27.59	30
31	26.77		26.59	26.55		30.38		28.64		26.91	26.76		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-16-62	1630	35.5	6- 4-62	2400	39.0						
3-16-62	2400	34.2									
5-10-62	0440	36.5									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT.	DATE			FROM	TO		
37 41 57	121 10 08	SW 2 3S 7E					MAR 50-DATE	1950	1951	0.00	USED
								1951		0.00	USCGS
								1951		3.60	USED

Station located 0.6 mi. NW of Bacon and Gates Road Junction, 3.7 mi. SW of Ripon.

TABLE 304

DAILY MEAN GAGE HEIGHT

SAN JOAQUIN RIVER NEAR VERNALIS

STATION NO	WATER YEAR
807020	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	9.70	10.20	10.81	10.54	11.07	18.08	15.14	13.08	12.14	12.42	10.35	10.67	1
2	9.82	10.22	10.87	10.53	11.03	17.44	14.97	12.69	12.33	12.16	10.33	10.90	2
3	9.67	10.25	10.94	10.53	11.00	16.90	14.61	12.57	15.18	11.82	10.31	11.08	3
4	9.61	10.23	10.96	10.52	10.97	16.78	14.09	12.51	16.21	11.61	10.33	11.03	4
5	9.60	10.44	11.05	10.51	10.93	16.76	13.64	12.59	16.80	11.40	10.42	10.88	5
6	9.57	10.59	11.13	10.52	10.91	16.74	13.46	13.10	17.23	11.21	10.64	10.94	6
7	9.65	10.58	11.14	10.54	10.92	17.43	13.32	13.87	16.40	11.14	10.61	11.00	7
8	9.76	10.53	11.13	10.56	10.93	18.83	13.20	14.39	15.14	NR	10.60	11.09	8
9	9.83	10.58	11.08	10.58	11.13	20.00	13.07	14.67	15.27	NR	10.59	11.25	9
10	9.84	10.58	11.05	10.75	11.76	20.86	12.96	15.93	16.06	NR	10.58	11.32	10
11	9.83	10.62	11.03	10.91	13.49	21.01	12.82	16.83	16.15	NR	10.57	11.27	11
12	9.83	10.51	10.96	11.05	15.64	20.13	12.72	17.20	16.66	NR	10.54	11.09	12
13	9.84	10.40	10.89	11.10	16.87	19.39	12.69	16.87	17.04	NR	10.57	10.95	13
14	9.84	10.24	10.85	11.12	16.96	18.93	12.63	16.26	16.78	NR	10.53	10.87	14
15	10.26	10.24	10.82	11.10	17.93	18.62	12.26	15.72	16.26	NR	10.18	10.94	15
16	10.11	10.21	10.78	11.08	19.63	18.44	12.11	14.82	15.57	NR	10.13	10.96	16
17	9.98	10.21	10.72	11.05	21.42	18.29	11.83	13.90	14.96	NR	10.22	10.94	17
18	9.85	10.14	10.68	10.99	22.04	17.84	11.70	13.40	14.56	NR	10.28	10.89	18
19	9.87	10.17	10.67	10.97	22.28	17.56	12.36	13.03	13.68	NR	10.27	10.86	19
20	9.92	10.36	10.68	11.30	22.56	17.35	12.75	12.83	14.01	10.64	10.37	10.91	20
21	9.93	10.47	10.66	11.62	22.82	16.91	13.16	12.96	14.82	10.55	10.33	11.06	21
22	10.06	10.53	10.63	11.98	22.59	16.68	13.58	12.93	15.10	10.59	10.33	11.18	22
23	10.12	10.56	10.63	12.16	22.10	16.61	13.50	13.08	15.12	10.60	10.26	11.23	23
24	10.11	10.57	10.62	11.95	21.53	16.48	13.19	13.16	15.13	10.32	10.35	11.37	24
25	10.08	10.63	10.62	11.48	21.13	16.28	13.07	13.14	14.68	10.24	10.48	11.38	25
26	10.03	10.71	10.60	11.29	20.29	16.13	13.01	13.27	14.07	10.17	10.64	11.29	26
27	10.04	10.77	10.58	11.19	19.22	16.03	13.10	13.38	13.56	10.12	10.78	11.23	27
28	10.09	10.77	10.57	11.14	18.50	15.92	13.24	13.12	13.09	10.14	10.61	11.28	28
29	10.17	10.77	10.57	11.08		15.63	13.30	12.89	12.72	10.26	10.66	11.33	29
30	10.18	10.79	10.56	11.05		15.43	13.34	12.56	12.45	10.30	10.54	11.38	30
31	10.17		10.56	11.08		15.23		12.36		10.24	10.48		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-21-62	1600	22.85	6- 6-62	1100	17.33						
3-11-62	0900	21.11									
5-12-62	1000	17.28									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 40 34	121 15 51		79000	27.75	12/ 9/50	7/22-12/238	7/22-12/238	1931		8.4	USED
						1/24- 2/25	1/24- 2/25				
						6/25-10/288	6/25-10/288		1959	5.06	USCOS
						5/29-DATE	5/29-DATE	1959		0.00	USCGS

Station located 30 ft. above the Durham Ferry Highway Bridge, 3 mi. below the Stanislaus River 3.4 mi. NE of Vernalis. Records furn. by U.S.G.S. Drainage area is approx. 14,010 sq. mi.

8 Irrigation season only.

TABLE 305

DAILY MEAN GAGE HEIGHT

CALAVERAS RIVER AT JENNY LIND

STATION NO	WATER YEAR
B02590	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	1.39	NF	0.57	1.22	1.44	2.58	1.04	0.79	3.30	2.40	NF	NF	1
2	1.17	NF	0.80	1.22	1.43	2.91	1.03	0.77	2.86	2.27	NF	NF	2
3	1.03	NF	0.98	1.22	1.42	3.86	1.04	0.77	2.84	1.94	NF	NF	3
4	0.92	NF	0.80	1.21	1.40	3.38	1.03	0.76	2.83	0.98	NF	NF	4
5	0.84	NF	1.58	1.21	1.39	3.07	1.01	0.76	2.78	0.79	NF	NF	5
6	0.77	NF	1.62	1.21	1.39	6.22	0.98	0.77	2.73	0.74	NF	NF	6
7	0.71	NF	1.53	1.20	1.43	7.24	0.96	0.77	2.67	0.71	NF	NF	7
8	0.66	NF	1.46	1.19	1.65	6.46	0.93	0.78	2.60	0.70	NF	NF	8
9	0.62	NF	1.39	1.19	4.12	4.80	0.93	0.78	2.59	0.69	NF	NF	9
10	0.60	NF	1.35	1.19	7.10	3.77	0.92	0.79	2.59	0.67	NF	NF	10
11	0.59	NF	1.32	1.19	7.62	3.35	0.89	0.80	2.77	0.65	NF	NF	11
12	0.58	NF	1.28	1.20	6.90	3.23	0.88	0.80	2.69	0.63	NF	NF	12
13	0.57	NF	1.26	1.21	6.01	3.04	0.88	0.81	2.59	0.62	NF	NF	13
14	0.56	NF	1.24	1.23	6.37	2.62	0.86	0.81	2.58	0.60	NF	NF	14
15	0.55	NF	1.23	1.25	7.98	1.29	0.85	0.81	2.57	0.59	NF	NF	15
16	0.55	NF	1.23	1.25	9.06	1.13	0.84	0.81	2.56	0.57	NF	NF	16
17	0.55	NF	1.22	1.25	7.89	1.10	0.85	0.80	2.54	0.55	NF	NF	17
18	0.55	NF	1.22	1.24	7.05	1.08	0.83	0.80	2.55	0.53	NF	NF	18
19	0.55	NF	1.24	1.25	5.50	1.06	0.82	0.80	2.67	0.52	NF	NF	19
20	0.54	NF	1.27	1.66	4.32	1.05	0.87	0.80	2.84	NF	NF	NF	20
21	0.51	NF	1.27	2.48	4.08	1.03	0.88	0.79	2.81	NF	NF	NF	21
22	NF	NF	1.29	2.16	3.58	1.09	0.83	0.79	2.72	NF	NF	NF	22
23	NF	NF	1.34	1.90	3.18	1.17	0.82	0.79	2.62	NF	NF	NF	23
24	NF	NF	1.35	1.75	2.96	1.11	0.80	0.80	2.58	NF	NF	NF	24
25	NF	NF	1.33	1.66	2.92	1.05	0.78	0.81	2.52	NF	NF	NF	25
26	NF	NF	1.30	1.59	2.92	1.05	0.77	0.82	2.51	NF	NF	NF	26
27	NF	NF	1.28	1.55	2.80	1.04	0.76	0.82	2.54	NF	NF	NF	27
28	NF	NF	1.26	1.52	2.67	1.03	0.85	0.83	2.62	NF	NF	NF	28
29	NF	NF	1.24	1.50		1.02	0.84	0.83	2.57	NF	NF	NF	29
30	NF	NF	1.23	1.48		1.01	0.78	0.83	2.52	NF	NF	NF	30
31	NF		1.22	1.46		1.03		1.31		NF	NF		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 5-61	1500	1.68	2-10-62	2100	7.79	3- 3-62	0700	3.98	6- 1-62	1800	3.41
1-21-62	0900	2.58	2-16-62	0430	9.43	3- 6-62	2250	7.44			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 05 20	120 51 53	NW27 3N 10E	50000	21.0	1/31/11	JAN 07-DATE	JAN 07-DATE	1907	1917	7.00	LOCAL
								1917	1928	2.00	LOCAL
								1928		0.00	LOCAL

Station located 70 ft. below Milton Road bridge, 0.2 mi. S of Jenny Lind. Flow affected by upstream regulation. Records furn. by USGS. Drainage area is 395 sq. mi.

TABLE 306

DAILY MEAN GAGE HEIGHT

MOKELUMNE RIVER AT WOODBRIDGE

STATION NO	WATER YEAR
B94300	1962

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	4.22	3.82	4.89	4.12	3.49	7.19	8.17	9.02	6.31	6.42	5.73	6.21	1
2	3.90	3.74	7.78	4.20	3.51	8.44	8.05	9.06	6.73	6.40	5.76	4.80	2
3	3.65	3.60	5.29	4.25	3.54	8.76	7.66	9.04	10.31	6.30	5.79	3.77	3
4	3.50	3.57	4.83	4.29	3.57	8.65	7.74	8.97	14.28	6.30	6.18	3.56	4
5	3.63	3.57	4.50	4.29	3.59	8.67	7.23	8.77	15.48	6.03	6.27	3.52	5
6	3.68	3.56	4.43	4.28	3.63	9.15	7.30	9.01	14.92	5.88	6.23	3.59	6
7	3.61	3.54	4.35	4.28	3.70	9.90	7.38	8.84	14.43	5.93	6.08	3.66	7
8	3.63	3.51	4.28	4.30	3.85	9.16	7.52	7.61	14.23	6.11	6.07	3.66	8
9	3.68	3.52	4.25	5.01	4.51	8.84	7.70	6.25	NR	6.09	6.06	3.65	9
10	3.60	3.56	4.25	4.43	6.74	8.75	7.48	6.15	NR	5.91	6.08	3.64	10
11	3.50	3.56	4.24	4.34	6.91	8.71	6.73	6.17	9.38	5.70	6.09	3.64	11
12	3.49	3.58	4.22	4.29	5.82	8.71	6.57	6.15	13.47	5.88	6.23	3.54	12
13	3.51	3.60	4.20	4.29	5.42	8.67	6.89	6.24	15.04	5.86	6.26	3.48	13
14	3.51	3.61	4.18	4.24	6.72	8.65	7.02	6.40	13.35	6.22	5.96	3.48	14
15	3.53	3.61	4.17	4.32	7.40	8.65	6.98	6.51	12.31	6.36	5.89	3.48	15
16	3.55	3.60	4.17	4.23	8.26	8.69	6.69	6.62	11.93	6.28	6.01	3.61	16
17	3.56	3.60	4.18	4.15	8.19	8.73	6.56	6.65	9.08	6.08	5.97	3.90	17
18	3.56	3.61	4.18	4.14	7.23	8.70	6.47	7.01	6.84	5.92	5.95	4.17	18
19	3.54	3.63	4.19	3.68	7.20	8.67	6.45	6.49	11.98	5.37	6.04	4.67	19
20	3.55	3.65	4.15	4.04	7.37	8.61	6.51	6.47	12.93	5.81	6.10	4.64	20
21	3.56	3.66	4.12	3.36	7.19	8.60	6.77	6.45	12.61	6.05	6.03	4.52	21
22	3.57	3.67	4.10	3.36	7.06	8.62	6.74	5.98	12.63	6.18	5.98	4.62	22
23	3.62	3.67	4.11	3.40	7.14	8.67	6.73	6.12	8.99	6.12	5.94	4.69	23
24	3.65	3.68	4.10	3.73	7.00	8.62	6.63	6.04	10.04	5.93	5.85	4.76	24
25	3.64	3.69	4.13	3.74	6.93	8.65	6.43	6.50	9.95	5.79	5.88	4.73	25
26	3.65	3.71	4.13	3.43	6.94	8.66	7.58	6.51	8.42	5.17	6.00	4.72	26
27	3.67	3.72	4.13	3.45	6.93	8.61	9.23	6.05	7.35	5.72	6.20	4.56	27
28	3.73	3.72	4.10	3.52	6.91	8.42	9.26	3.75	6.68	5.86	6.08	4.69	28
29	3.80	3.72	4.10	3.57		8.22	9.25	4.68	6.41	5.89	6.07	4.94	29
30	3.75	4.49	4.09	3.49		7.86	9.12	6.25	6.36	6.02	6.03	4.50	30
31	3.76		4.10	3.51		8.07		6.26		5.88	6.02		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 2-61	1150	11.33	2-16-62	1450	9.22	4-27-62	2010	10.09	6-13-62	0900	15.66
12- 2-61	1530	12.29	3- 7-62	1100	10.19	6- 5-62	0840	15.62	6-20-62	0430	13.08

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
			OF RECORD					PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	FROM	TO	ZERO ON GAGE	REF. DATUM
38 09 30	121 18 10	NE34 4N 6E	27000	29.58	11/22/50	5/24-10/25 8 1/26-DATE	5/24-DATE	1924 1931	1931	18.9 14.9	USCOS USCOS

Station located 0.3 mi. below county highway bridge, 0.4 mi. below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and power plants. Records furn. by USOS.
Drainage area is 644 sq. mi.

8 - Irrigation season only

TABLE 307

DAILY MEAN GAGE HEIGHT

COSUMNES RIVER AT MICHIGAN BAR

STATION NO	WATER YEAR
811150	1962

DATE	OCT	NOV.	DEC.	JAN	FEB.	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	1.82	2.15	2.82	2.29	2.44	3.55	4.15	4.05	3.40	2.50	2.09	1.90	1
2	1.74	2.10	2.87	2.29	2.43	4.58	4.18	4.03	3.41	2.46	2.07	1.88	2
3	1.71	2.09	2.98	2.30	2.43	4.43	4.22	4.03	3.42	2.43	2.06	1.92	3
4	1.78	2.07	2.79	2.29	2.43	4.07	4.27	4.03	3.38	2.45	2.06	2.02	4
5	1.71	2.07	2.58	2.28	2.43	3.99	4.37	4.04	3.32	2.44	2.04	2.06	5
6	1.78	2.10	2.47	2.26	2.44	5.91	4.43	4.04	3.28	2.41	2.00	2.12	6
7	1.77	2.09	2.40	2.26	2.57	5.38	4.50	3.98	3.26	2.38	1.98	2.14	7
8	1.74	2.08	2.35	2.27	2.80	4.68	4.53	3.97	3.25	2.38	2.03	2.15	8
9	1.64A	2.08	2.31	2.27	4.29	4.38	4.54	3.96	3.23	2.36	2.14	2.15	9
10	1.64A	2.08	2.29	2.27	6.56	4.18	4.54	3.93	3.22	2.30	2.13	2.14	10
11	1.71A	2.07	2.26	2.27	5.61	4.07	4.48	3.83	3.20	2.29	2.12	2.13	11
12	1.74	2.01	2.25	2.28	4.81	3.97	4.47	3.73	3.17	2.29	2.15	2.08	12
13	1.75	1.98	2.23	2.29	5.57	3.85	4.52	3.66	3.13	2.28	2.15	2.00	13
14	1.75	1.99	2.23	2.31	6.15	3.77	4.57	3.59	3.10	2.34	2.13	1.97	14
15	1.73	1.98	2.25	2.31	6.83	3.72	4.60	3.57	3.07	2.34	2.13	1.95	15
16	1.71	1.97	2.24	2.27	6.44	3.70	4.57	3.51	3.04	2.28	2.11	1.92	16
17	1.78	1.99	2.24	2.19	5.32	3.68	4.47	3.49	3.00	2.24	2.09	1.87	17
18	1.84	2.01	2.24	2.21	4.78	3.63	4.43	3.46	2.95	2.23	2.08	1.85	18
19	1.85	2.02	2.27	2.29	4.64	3.60	4.45	3.46	2.91	2.19	2.08	1.88	19
20	1.86	2.07	2.37	2.93	4.43	3.60	4.38	3.46	2.87	2.16	2.07	1.87	20
21	1.87	2.11	2.45	3.11	4.20	3.65	4.25	3.43	2.84	2.15	2.07	1.85	21
22	1.85	2.18	2.56	2.79	4.03	3.87	4.20	3.41	2.80	2.32	2.09	1.91	22
23	1.86	2.26	2.53	2.63	3.91	4.17	4.22	3.43	2.76	2.36	2.09	1.91	23
24	1.87	2.21	2.47	2.56	3.84	3.90	4.22	3.44	2.73	2.35	2.07	1.86	24
25	1.94	2.16	2.42	2.53	3.79	3.82	4.21	3.39	2.68	2.41	2.06	1.83	25
26	2.02	2.19	2.39	2.52	3.74	3.82	4.12	3.34	2.64	2.50	2.02	1.86	26
27	2.01	2.18	2.36	2.48	3.64	3.83	4.09	3.37	2.62	2.38	1.94	1.85	27
28	2.03	2.20	2.35	2.48	3.57	3.90	4.40	3.37	2.59	2.35	1.89	1.85	28
29	2.04	2.26	2.33	2.46		3.99	4.27	3.37	2.56	2.35	1.92	1.86	29
30	2.08	2.39	2.32	2.46		4.07	4.12	3.36	2.53	2.25	1.90	1.87	30
31	2.19		2.30	2.46		4.09		3.38		2.12	1.88		31

E - Estimated
NR - No Record
NF - No Flow

A - Mean gage height for period of flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 1-61	1800	2.97	1-20-62	2200	3.33	2-15-62	2400	7.29	3- 6-62	0700	6.41
12- 3-61	1530	3.05	2-10-62	1200	7.29	3- 2-62	1500	5.50	3-23-62	0100	4.37

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 30 00	121 02 45	SE36 8N 8E	42000	14.59	12/23/55	OCT 07-DATE	OCT 07-DATE	1907		168.09	USCOS

Station located on highway bridge, 5.5 mi. SW of Latrobe. At times during low water periods, water is diverted into the river above the station from Jenkinson Lake. Records furn. by USOS. Drainage area is 537 sq. mi.

TABLE 308

DAILY MEAN GAGE HEIGHT

COSUMNES RIVER AT MCCONNELL

STATION NO	WATER YEAR
801125	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	NF	NF	29.38	29.63	31.58	32.25	32.23	30.91	NF	NF	NF	1
2	NF	NF	NR	29.37	29.61	32.49	32.37	32.15	30.91	NF	NF	NF	2
3	NF	NF	NR	29.35	29.58	34.11	32.44	32.15	30.94	NF	NF	NF	3
4	NF	NF	30.33	29.42	29.58	32.79	32.53	32.17	30.89	NF	NF	NF	4
5	NF	NF	30.02	29.81	29.59	32.30	32.67	32.18	30.80	NF	NF	NF	5
6	NF	NF	29.80	29.56	29.60	35.46	32.86	32.20	30.70	NF	NF	NF	6
7	NF	NF	29.65	29.32	29.67	37.00	33.00	32.14	30.66	29.83A	NF	NF	7
8	NF	NF	29.57	29.29	29.86	34.51	33.13	32.02	30.62	NF	NF	NF	8
9	NF	NF	29.48	29.28	30.76	33.44	33.15	32.01	30.60	NF	NF	NF	9
10	NF	NF	29.42A	29.27	37.39	32.89	33.18	31.98	30.56	NF	NF	NF	10
11	NF	NF	NF	29.27	39.72	32.48	33.08	31.84	30.55	NF	NF	NF	11
12	NF	NF	NF	29.31	35.85	32.25	32.97	31.58	30.52	NF	NF	NF	12
13	NF	NF	NF	29.35	36.27	32.03	33.07	31.47	30.43	NF	NF	NF	13
14	NF	NF	NF	29.32	38.58	31.87	33.18	31.35	30.36	NF	NF	NF	14
15	NF	NF	NF	29.34	40.44	31.76	33.27	31.28	30.34	NF	NF	NF	15
16	NF	NF	NF	29.35	40.51	31.71	33.28	31.24	30.28	NF	NF	NF	16
17	NF	NF	NF	29.31	36.92	31.67	33.12	31.14	30.28	NF	NF	NF	17
18	NF	NF	NF	29.25	35.56	31.60	32.95	31.08	30.17	NF	NF	NF	18
19	NF	NF	NF	29.25	34.05	31.52	32.90	31.04	30.08	NF	NF	NF	19
20	NF	NF	NF	29.70	33.95	31.49	33.01	31.05	30.05	NF	NF	NF	20
21	NF	NF	29.40A	30.54	33.16	31.53	32.65	31.03	29.92	NF	NF	NF	21
22	NF	NF	29.54	30.40	32.63	31.57	32.47	30.97	29.82	NF	NF	NF	22
23	NF	NF	29.69	30.08	32.35	32.50	32.47	30.98	29.72	NF	NF	NF	23
24	NF	NF	29.71	29.90	32.15	32.11	32.49	31.00	29.76	NF	NF	NF	24
25	NF	NF	29.63	29.83	32.07	31.86	32.47	30.95	29.71	NF	NF	NF	25
26	NF	NF	29.56	29.78	31.92	31.77	32.38	30.88	29.98A	NF	NF	NF	26
27	NF	NF	29.47	29.75	31.82	31.76	32.23	30.91	NF	NF	NF	NF	27
28	NF	NF	29.48	29.69	31.62	31.82	32.55	30.98	NF	NF	NF	NF	28
29	NF	NF	29.46	29.66		31.95	32.92	30.94	NF	NF	NF	NF	29
30	NF	NF	29.44	29.64		32.11	32.43	30.89	NF	NF	NF	NF	30
31	NF		29.40	29.63		32.19		30.90		NF	NF		31

E - Estimated
NR - No Record
NF - No Flow

A - Mean gage height for period of flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-11-62	0300	41.18	2-14-62	1015	38.90	3- 2-62	2400	35.31	3- 7-62	0500	37.80
2-11-62	0530	41.22	2-15-62	2100	41.46	3- 6-62	1730	38.00	4-29-62	0115	33.30

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 21 29	121 20 34	20 6N 6E	54000	46.26	12/23/55	10/41-DATE	1/31-5/40 # 10/41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 bridge, 0.2 mi. S of McConnell, 7.0 mi. N of Galt. Maximum discharge of record listed is for period 1943 to date. Records furn. by USGS. Drainage area is 730 sq. mi.

- Flood season only

TABLE 309

DAILY MEAN GAGE HEIGHT

TULARE LAKE

IN FEET

STATION NO	WATER YEAR
C03110	1962

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DAY
						D R Y							

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
36 03 10	119 49 35			190.6	6/28/41		FEB 37-DATE	1937		0.00	USCGS

Station located 2.2 mi. SW of Chatom Ranch, 6 mi. SW of Corcoran on south end of El Rico Bridge. Tulare Lake receives water from Kings, Kaweah, and Tule Rivers during high-water periods and occasionally from Kern River, Deer Creek, and several small intermittent streams. Elevation at lowest point of lake bed is now about 180 ft. U.S.G.S. datum. Records furn. by Tulare Lake Basin Water Storage District.

TABLE 310

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO WEIR

in feet

STATION NO	WATER YEAR
A02105	1962

DATE	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.50 16.21	17.02 15.96	19.35 18.02	17.80 16.71	17.90 16.64	26.00A 25.46A	23.35 22.93	21.89 21.30	20.71 19.89	18.43 17.10	18.42 17.27	18.76 17.78	1
2	17.31 16.02	16.90 15.84	21.92A 19.29A	17.86 16.85	18.03 16.74	26.71A 25.43A	23.68 23.24	21.43 20.93	20.53 19.80E	18.57 17.19	18.38 17.25	18.67 17.86	2
3	17.14 15.91	16.84 15.90	24.74A 21.92A	17.65 16.55	18.06 16.76	28.00A 26.71A	23.81 23.52	21.27 20.70	20.54 19.62E	18.51 17.14	18.32 17.32	18.72 17.95	3
4	17.16 15.83	16.87 15.84	25.04A 24.74A	17.79 16.44	18.08 16.80	27.92A 27.42A	23.69 23.69	21.46 20.79	20.37 19.66E	18.40 17.15	18.06 17.14	18.82 17.99	4
5	17.13 15.84	16.86 15.90	24.87A 23.59A	17.75 16.43	17.86 16.70	27.42A 26.98A	24.06A 23.80A	21.78 21.13	NR NR	18.37 17.15	18.02 17.34	18.47 18.15	5
6	17.21 15.96	16.95 15.84	23.59A 22.22A	17.88 16.50	17.86 16.59	28.47A 26.86A	23.94 23.67	22.17 21.56	NR NR	18.17 17.00	18.13 17.20	19.00 18.39	6
7	17.18 15.71	17.11 15.83	22.22A 21.09A	17.90 16.58	18.30 16.85	31.67A 28.48A	23.65 23.39	22.46 21.98	NR NR	17.82 16.78	18.12 17.10	19.35 18.66E	7
8	16.39 15.34	17.27 15.87	20.68 20.25	18.07 16.60	18.36 17.23	33.12A 31.67A	23.35 23.09	22.72 22.17	NR NR	17.71 16.68	18.03 17.26	19.47E 18.74	8
9	16.99 15.56	17.42 15.94	19.95 19.35	17.87 16.73	21.99A 18.12A	34.05A 33.12A	23.07 22.86	22.49 22.09	NR NR	17.73 16.74	19.25 17.26	19.68 18.93	9
10	17.06 15.86	17.72 16.10	19.37 18.78	17.57 16.73	32.45A 21.99A	34.27A 34.05A	22.93A 22.71A	22.62 22.33	18.75 17.84	17.91 16.69	18.27 17.52	19.91 18.81	10
11	16.96 15.63	17.40 16.09	18.86 18.25	17.34 16.54	35.67A 32.45A	34.19A 33.42A	22.87 22.78	22.66 22.20	18.65 18.01	17.87 16.94	18.63 17.73	19.62 18.49	11
12	16.95 15.65	17.07 15.85	18.34 17.76	17.64 16.52	35.67A 35.10A	33.42A 32.14A	23.23 23.08	22.36A 21.62A	18.89 18.13E	18.19 17.00	18.83 17.86	19.57 18.44	12
13	17.06 15.54	17.15 15.87	18.00 17.40	17.65 16.54	35.23A 34.93A	32.14A 30.39A	23.94A 23.44A	21.86A 21.32A	19.18 18.45	18.19 16.97	18.88 17.79	19.55 18.44	13
14	17.18 15.71	17.04 15.79	17.82 17.05	17.53 16.39	36.13A 35.23A	30.39A 28.65A	24.13 24.00	21.69 21.32	19.32 18.14	18.34 17.12	18.93 17.80	19.44 18.43	14
15	17.22 15.78	16.82 15.80	17.88 16.90	17.47 16.23	37.39A 36.13A	28.65A 27.13A	24.31A 24.02A	21.37 20.97	19.11 18.20	18.53 17.19	18.84 17.82	19.12 18.27	15
16	16.49 15.74	16.94 15.92	17.89 16.86	17.66 16.32	37.49A 37.37A	27.13A 26.06A	24.60A 24.31A	21.24 20.70	19.53 18.53	18.66 17.24	18.83 17.74	18.89 18.17	16
17	17.31 15.79	16.92 15.82	18.10 16.85	17.77 16.36	37.45A 37.23A	26.06A 25.22A	24.57A 24.23A	21.10 20.49	19.71 18.74	18.96 17.45	18.75 17.79	19.21 18.12	17
18	17.33 15.81	17.07 15.84	18.10 16.91	17.79 16.30	37.23A 36.62A	25.22A 24.46A	24.17 23.92	21.30 20.80	19.65E 18.73	19.15 17.55	18.54 17.58	18.86 18.04	18
19	17.61 16.25	17.27 16.03	18.23 16.92	18.39 16.37	36.62A 36.02A	24.37 24.18	23.64 23.21	21.18 20.50	19.57 18.61	18.78 17.31	18.45 17.65	18.25 17.89	19
20	17.43 16.02	17.73 16.15	18.23 16.95	19.44A 17.17A	36.02A 35.47A	24.02 23.65	22.99 22.62	21.03 20.41	19.44 18.40	18.45 17.07	18.37 17.72	18.87 17.84	20
21	17.19 15.94	17.44 16.35	19.38A 17.00A	21.44A 19.43A	35.47A 35.07A	23.49 23.26	22.72 22.18	20.70 19.94	19.37 18.34	18.11 16.95	18.67 17.87	18.60 17.71	21
22	16.92 15.71	17.49 16.19	21.88A 19.38A	21.55 21.36	35.07A 34.34A	23.38 23.15	22.08 21.43	20.40 19.73E	19.31 18.30	18.01 17.13	18.89 17.92	18.55 17.61	22
23	17.11 15.79	17.79 16.23	21.85 21.57	21.42A 20.17A	34.34A 33.33A	23.79 23.27	21.69 21.19	20.25 19.68E	19.24 18.10	18.09 17.05	19.26 17.91	18.51 17.59	23
24	17.25 15.93	18.13 16.49	21.37A 20.13A	19.37 18.84	33.33A 31.93A	23.62 23.37	21.86 21.42	20.43 19.77	18.67 17.23	18.22 17.06	19.14 17.77	18.51 17.65	24
25	17.56 15.90	18.16 16.71	19.40 19.05	18.44 17.94	31.93A 30.41A	23.39A 23.00A	22.03 21.63	20.21 19.65	18.11 16.86	18.37 17.21	18.96 17.77	18.68 17.74	25
26	17.60 16.13	17.81 16.71	18.52 18.18	17.90 17.40	30.41A 28.94A	22.94 22.56	21.99 21.59	NR NR	18.00 16.72	18.50 17.32	19.04 17.93	18.59 17.64	26
27	17.72 16.10	18.78A 17.04A	17.88 17.50	17.61 17.00	28.94A 26.97A	22.64 22.34	21.83 21.31	NR NR	18.03 17.07	18.60 17.25	19.09 17.86	18.44 17.45	27
28	16.98 16.05	18.94 18.32	17.53 16.97	17.43 16.70	26.97A 26.00A	22.74A 22.39A	21.64 21.46	NR NR	18.41 17.38	18.61 17.26	18.94 17.85	18.11 17.29	28
29	16.02 15.71	18.96 18.29	17.35 16.62	17.41 16.51		23.01A 22.59A	22.70A 21.64A	NR NR	18.77 17.36	18.73 17.37	19.22 18.09	17.91 17.16	29
30	16.63 15.67	18.79 18.11	17.45 16.63	17.50 16.46		22.99 22.75	22.61 22.23	20.20 19.41E	18.50 16.97	18.81 17.37	19.07 18.02	17.95 17.19	30
31	16.81 15.81		17.48 16.65	17.75 16.48		23.14 22.81		20.55 19.85		18.62 17.22	18.99 18.04		31
MAXIMUM	17.72	18.96	25.04	21.55	37.49	34.27	24.60	NR	NR	19.15	19.26	19.91	MAXIMUM
MINIMUM	15.34	15.67	16.62	16.23	16.59	22.34	21.19	NR	NR	16.68	17.10	17.16	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 4-61	1600	25.04	2-16-62	0800	37.49	3- 3-62	1830	28.00	4- 5-62	0900	24.06
2-11-62	2400	35.67	2-17-62	0650	37.45	3-10-62	1610	34.27	4-16-62	2110	24 60

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 36 09	121 33 12	NE29 9N 4E		33.1	12/23/55		11/26-7/37 # 10/37-DATE	1926 1926		0.00 -3.07	USED USCOS

Station located 100 ft. below weir, 4 mi. NW of Sacramento. Station affected by tidal action.
- Flood season only.

TABLE 311

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO

in feet

STATION NO	WATER YEAR
A02100	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.13 12.17	13.40 11.86	15.26 13.77	14.13 12.62	14.35 12.56	21.68A 21.25A	18.24 18.64	17.89 17.23	16.69 15.97	14.99 13.28	14.92 13.49	15.12 13.84	1
2	13.69 11.98	13.29 11.75	16.78 15.29	14.21 12.84	14.42 12.64	22.17A 21.19A	19.51 18.97	17.48 16.87	16.57 15.53	15.14 13.39	14.88 13.51	15.01 13.96	2
3	13.55 11.87	13.23 11.80	19.66A 16.86A	14.02 12.52	14.56 12.70	23.76A 22.17A	19.63 19.24	17.35 16.64	16.68 15.52	15.09 13.36	14.81 13.59	15.03 13.98	3
4	13.61 11.87	13.18 11.69	20.09 19.64	14.23 12.36	14.57 12.76	23.66A 23.27A	19.65 19.39	17.54 16.69	16.47 15.32	14.97 13.35	14.54 13.38	15.11 13.98	4
5	13.62 11.93	13.23 11.79	19.88A 18.92A	14.17 12.37	14.38 12.69	23.27A 22.93A	19.79 19.55	17.76 16.95	16.16 14.87	15.01 13.47	14.42 13.53	14.60 14.10	5
6	13.74 12.09	13.39 11.80	18.92A 17.82A	14.30 12.37	14.36 12.58	24.14A 22.78A	20.01 19.68	18.08 17.32	15.71 14.35	14.70 13.20	14.54 13.39	15.23 14.35	6
7	13.68 11.77	13.60 11.81	17.38 16.76	14.33 12.46	14.80 12.85	27.10A 24.14A	20.30 19.96	18.33 17.73	15.18 13.95	14.36 13.02	14.56 13.25	15.61 14.68	7
8	12.81 11.32	13.77 11.83	16.66 15.94	14.51 12.51	14.64 13.24	28.53A 27.10A	20.57 20.22	18.65 17.97	15.08 13.92	14.24 12.84	14.47 13.40	15.71 14.67	8
9	13.51 11.62	13.95 11.94	16.01 15.16	14.26 12.67	17.83A 14.08A	29.41A 28.53A	20.79 20.55	18.30 17.77	14.90 13.89	14.25 12.91	14.70 13.44	15.94 14.87	9
10	13.60 11.98	14.23 12.10	15.46 14.68	13.90 12.66	27.25A 17.83A	29.63A 29.41A	20.90A 20.67A	18.37 17.96	14.99 13.69	14.44 12.86	14.72 13.62	16.28 14.87	10
11	13.53 11.75	13.88 12.08	14.99 14.11	13.63 12.41	30.82A 27.25A	29.56A 28.96A	20.79 20.71	18.37 17.85	14.84 13.78	14.42 13.19	15.06 13.84	15.94 14.49	11
12	13.45 11.69	13.56 11.79	14.49 13.60	14.01 12.42	30.84A 30.40A	28.96A 27.76A	20.58 20.45	18.15 17.38	15.07 14.08	14.77 13.29	15.30 13.98	15.85 14.51	12
13	13.56 11.65	13.61 11.53	14.12 13.24	14.02 12.48	30.49A 30.24A	27.76A 26.13A	20.28 20.08	17.77 17.12	15.41 14.46	14.72 13.21	15.33 13.90	15.84 14.41	13
14	13.69 11.73	13.48 11.66	14.03 12.90	13.90 12.30	31.39A 30.49A	26.13A 24.47A	20.04 19.72	17.60 17.22	15.63 14.07	14.89 13.34	15.38 13.94	15.70 14.40	14
15	13.73 11.80	13.17 11.69	14.16 12.78	13.88 12.15	32.74A 31.39A	24.47A 22.99A	20.15 19.85	17.28 16.77	15.38 14.10	15.09 13.41	15.31 13.91	15.32 14.23	15
16	13.86 11.73	13.32 11.86	14.19 12.76	14.15 12.27	32.85A 32.65A	22.99A 21.97A	20.43 20.06	17.18 16.50	15.75 14.54	15.25 13.49	15.34 13.88	15.16 14.14	16
17	13.15 11.81	13.32 11.77	14.46 12.79	14.29 12.33	32.77A 32.59A	21.97A 21.15A	20.46 20.24	16.98 16.22	15.92 14.55	15.59 13.75	15.23 13.96	15.58 14.14	17
18	13.88 11.88	13.48 11.75	14.45 12.86	14.32 12.36	32.59A 32.04A	21.04 20.74	20.10 19.71	17.23 16.57	15.84 14.49	15.73 13.87	14.98 13.71	15.23 14.10	18
19	14.15 12.38	13.70 12.01	14.61 12.89	14.97 12.39	32.04A 31.42A	20.45 20.19	19.55 19.06	17.15 16.25	15.76 14.39	15.36 13.60	14.84 13.74	15.24 13.90	19
20	13.93 12.11	14.21 12.09	14.64 12.89	15.35 13.35	31.42A 30.89A	19.97 19.61	18.95 18.44	16.96 16.12	15.70 14.24	15.02 13.36	14.68 13.84	14.34 13.85	20
21	13.69 12.04	13.86 12.35	15.09 12.93	16.97 14.92	30.89A 30.47A	19.47 19.19	18.67 18.06	16.66 15.66	15.62 14.19	14.62 13.21	15.05 13.97	14.99 13.66	21
22	13.41 11.73	13.88 12.04	17.46A 14.82A	17.20 16.53	30.47A 29.79A	19.45 19.09	18.12 17.36	16.47 15.38	15.62 14.25	14.50 13.37	15.33 14.07	14.86 13.55	22
23	13.62 11.83	14.18 12.07	17.49 17.08	16.42 15.92	29.79A 28.90A	19.69 19.17	17.77 17.12	16.40 15.40	15.54 14.08	14.57 13.31	15.78 14.14	14.84 13.55	23
24	13.77 11.86	14.60 12.39	16.31 15.90	15.25 14.71	28.90A 27.55A	19.52 19.20	17.94 17.40	16.45 15.44	14.94 13.24	14.76 13.36	15.67 13.99	14.84 13.61	24
25	14.08 11.91	14.62 12.68	15.36 14.92	14.47 13.87	27.55A 26.12A	19.22 18.87	18.06 17.54	16.25 15.25	14.49 12.93	14.92 13.45	15.46 13.93	15.01 13.76	25
26	14.13 12.16	14.12 12.65	14.54 14.09	14.00 13.25	26.12A 24.75A	18.87 18.40	18.01 17.49	15.90 14.98	14.47 12.80	15.04 13.61	15.51 14.06	14.95 13.71	26
27	14.26 12.14	14.62 12.72	13.92 13.36	13.74 12.82	24.75A 22.64A	18.52 18.11	17.90 17.28	15.76 15.04	14.54 13.06	15.14 13.57	15.54 13.96	14.82 13.54	27
28	13.40 12.13	14.81 13.75	13.63 12.81	13.63 12.51	22.64A 21.71A	18.65 18.28	17.68 17.44	15.92 14.93	14.86 13.41	15.22 13.59	15.38 13.96	14.48 13.38	28
29	12.95 11.57	15.02 13.87	13.53 12.43	13.70 12.34		18.92 18.53	18.54A 17.55A	15.97 15.16	15.30 13.53	15.36 13.72	15.67 14.21	14.27 13.20	29
30	12.60 11.52	14.92 13.85	13.61 12.42	13.85 12.37		18.89 18.65	18.54 18.12	16.25 15.63	15.06 13.14	15.37 13.67	15.51 14.13	14.29 13.25	30
31	13.20 11.69		13.70 12.48	14.16 12.52		18.95 18.54		16.57 15.56		15.18 13.51	15.38 14.15		31
MAXIMUM	14.26	15.02	20.09	17.20	32.85	29.63	20.90	18.65	16.68	15.73	15.78	16.28	MAXIMUM
MINIMUM	11.32	11.53	12.42	12.15	12.56	18.11	17.12	14.93	12.80	12.84	13.25	13.20	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-12-62	0300	30.84	2-17-62	0610	32.77	3-10-62	1600	29.63	4-29-62	1640	18.54
2-16-62	0800	32.85	3- 3-62	1940	23.76	4-10-62	1400	20.90			

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M O.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	TO	ZERO ON GAGE	REF DATUM
38 35 20	121 30 15	NW 35 9N 4E	104000	30.14	11/21/50	04- 05 6/21-11/21 5/24-12/42 δ 5/43-DATE	1/04-7/05 20-DATE	 1956 1956	1956	0.12 0.00 2.98	USCOS USCOS USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence. Maximum discharge of record listed is for period 1921, 1948 to date. Records furn. by U.S.G.S.

δ - Irrigation season only

TABLE 312

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER NEAR FREEPORT

in feet

STATION NO	WATER YEAR
891650	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.47 11.39	13.00 11.15	14.37 12.42	13.60 11.60	13.88 11.62	18.90 16.15	16.79 16.14	15.95 14.97	15.27 13.73	14.52 12.14	14.37 12.32	14.39 12.66	1
2	13.32 11.25	12.89 11.05	15.28 13.50	13.72 11.70	14.01 11.68	18.92 16.25	17.02 16.18	15.71 14.67	15.29 13.69	14.61 12.24	14.31 12.35	14.22 12.73	2
3	13.16 11.19	12.83 11.13	16.98 15.60	13.58 11.42	14.08 11.74	20.35A 16.80A	17.09 16.39	15.75 14.54	15.47 13.70	14.55 12.22	14.17 12.40	14.20 12.75	3
4	13.26 11.25	12.82 11.02	17.41 16.81	13.81 11.42	14.10 11.78	20.30 20.00	17.10 16.53	15.90 14.58	15.31 13.51	14.47 12.22	13.85 12.17	14.28 12.69	4
5	13.27 11.32	12.86 11.13	17.01 16.48	13.72 11.46	13.92 11.78	20.24 19.74	17.18 16.57	16.00 14.75	15.03 13.20	14.41 12.34	13.61 12.22	14.32 12.77	5
6	13.40 11.52	13.03 11.17	16.24 15.90	13.87 11.42	13.87 11.67	20.46 19.53	17.33 16.72	16.16 15.00	14.69 12.84	14.08 12.07	13.70 12.12	14.32 12.93	6
7	13.35 11.19	13.23 11.17	15.71 14.68	13.90 11.52	14.33 11.87	22.99A 20.46A	17.58 16.93	16.33 15.32	14.33 12.56	13.73 11.94	13.78 12.06	14.66 13.22	7
8	12.45 10.69	13.47 11.20	15.45 14.15	14.12 11.60	14.05 12.29	24.36A 23.01A	17.86 17.20	16.67 15.60	14.20 12.56	13.62 11.76	13.76 12.17	14.80 13.18	8
9	13.16 11.02	13.59 11.26	15.03 13.63	13.84 11.76	15.60 12.77	25.19A 24.36A	18.05 17.46	16.19 15.25	14.02 12.52	13.65 11.84	13.93 12.25	15.12 13.37	9
10	13.27 11.36	13.92 11.64	14.61 13.13	13.43 11.72	23.08A 15.78A	25.40A 25.19A	17.90 17.52	16.15 15.38	14.14 12.35	13.85 11.82	13.99 12.28	15.40 13.47	10
11	13.19 11.19	13.58 11.44	14.25 12.66	13.16 11.51	26.57A 23.08A	25.35A 24.88A	17.83 17.33	16.11 15.28	13.98 12.33	13.82 12.18	14.29 12.47	15.13 13.12	11
12	13.12 11.14	13.21 11.13	13.79 12.29	13.56 11.52	26.59A 26.24A	24.88A 23.87A	17.62 17.16	16.00 15.00	14.15 12.66	14.16 12.27	14.51 12.60	15.08 13.13	12
13	13.20 11.03	13.23 10.85	13.47 11.99	13.59 11.61	26.26A 26.06A	23.86A 22.43A	17.43 17.17	15.80 14.81	14.51 13.11	14.18 12.12	14.58 12.53	15.02 13.13	13
14	13.36 11.07	13.07 10.97	13.44 11.77	13.44 11.43	27.02A 26.23A	22.42A 20.92A	17.34 16.90	15.71 14.81	14.85 12.91	14.37 12.22	14.66 12.61	14.85 13.00	14
15	13.39 11.12	12.94 11.00	13.61 11.69	13.46 11.34	28.29A 27.02A	20.92A 19.59A	17.46 16.90	15.45 14.56	14.60 12.71	14.56 12.29	14.55 12.55	14.40 12.87	15
16	13.51 11.11	12.94 11.15	13.69 11.73	13.73 11.50	28.38 28.21	19.62 19.25	17.49 17.01	15.59 14.43	14.86 13.02	14.74 12.37	14.59 12.60	14.32 12.80	16
17	13.56 11.20	12.91 11.05	13.96 11.78	13.91 11.50	28.35 28.22	18.72 18.48	17.66 17.23	15.28 14.15	14.99 13.03	15.10 12.66	14.53 12.66	14.87 12.87	17
18	13.56 11.29	13.11 11.05	13.99 11.91	13.91 11.55	28.11 27.89	18.23 17.81	17.41 16.83	15.54 14.41	14.92 12.93	15.28 12.77	14.25 12.44	14.56 12.96	18
19	13.95 11.73	13.35 11.31	14.15 11.99	14.52 11.58	27.56 27.35	18.00 17.37	17.13 16.42	15.53 14.23	14.87 12.84	14.87 12.51	14.04 12.43	14.54 12.67	19
20	13.61 11.49	13.83 11.40	14.18 11.93	14.65 12.58	27.04 26.80	17.53 16.86	16.65 15.78	15.38 14.02	14.83 12.76	14.52 12.26	14.33 12.53	14.54 12.65	20
21	13.35 11.43	13.46 11.75	14.22 11.94	15.23 13.27	26.54 26.36	16.99 16.36	16.38 15.50	15.17 13.67	14.82 12.74	14.08 12.07	14.33 12.72	14.32 12.42	21
22	13.03 11.10	13.47 11.27	15.58 12.96	15.27 14.30	26.12 25.82	16.92 16.32	16.09 15.00	15.12 13.51	14.84 12.90	13.87 12.20	14.62 12.87	14.17 12.32	22
23	13.24 11.20	13.81 11.29	15.69 14.61	14.87 14.12	25.44 25.08	16.96 16.45	15.88 14.75	15.14 13.62	14.72 12.76	13.64 12.18	15.18 13.02	14.12 12.32	23
24	13.41 11.24	14.21 11.57	14.92 14.11	14.08 13.27	24.86A 23.67A	16.96 16.31	16.07 15.02	15.03 13.52	14.14 12.09	14.17 12.28	15.07 12.86	14.12 12.38	24
25	13.71 11.26	14.20 11.90	14.30 13.31	13.58 12.59	23.66A 22.36A	16.70 16.05	16.02 15.04	14.75 13.39	13.86 11.88	14.39 12.39	14.87 12.72	14.38 12.62	25
26	13.80 11.52	13.64 11.82	13.65 12.60	13.23 12.00	22.35A 21.16A	16.50 15.73	15.91 14.97	14.51 13.17	13.93 11.76	14.48 12.51	14.91 12.84	14.28 12.55	26
27	13.90 11.46	13.70 11.67	13.05 12.00	13.08 11.67	21.15A 19.37A	16.24 15.45	15.87 14.86	14.46 13.26	13.99 11.96	14.65 12.49	14.89 12.70	14.19 12.47	27
28	13.04 11.51	13.80 12.32	12.88 11.55	13.02 11.44	19.36A 18.56A	16.35 15.66	15.67 14.92	14.69 13.19	14.23 11.96	14.71 12.51	14.70 12.68	13.87 12.32	28
29	12.54 10.85	14.07 12.46	12.89 11.28	13.15 11.37		16.66 15.87	16.14 15.61	14.77 13.43	14.74 12.48	14.86 12.62	14.96 12.94	13.62 12.15	29
30	12.76 10.74	14.10 12.59	13.01 11.28	13.36 11.47		16.50 15.80	16.27 15.61	14.92 13.72	14.57 12.12	14.88 12.56	14.78 12.82	13.61 12.16	30
31	13.00 10.96		13.10 11.37	13.68 11.62		16.49 15.86		15.18 13.72		14.66 12.39	14.67 12.87		31
MAXIMUM	13.90	14.21	17.41	15.27	28.38	25.40	18.05	16.67	15.47	15.28	15.18	15.40	MAXIMUM
MINIMUM	10.69	10.85	11.28	11.34	11.62	15.45	14.75	13.17	11.76	11.76	12.06	12.15	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-12-62	0120	<6.59	3- 3-62	1630	20.35						
2-12-62	1200	26.58	3-10-62	2050	25.40						

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R M O.B.&M	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 28 23	121 31 58	SW10 7N 4E					AUG 55-DATE	1955 1956	1956	4.93 0.00	USCOS USCOS

Station located 10.7 mi. below Sacramento, 1.9 mi. NW of Freeport. Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

TABLE 313

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SNODGRASS SLOUGH

in feet

STATION NO	WATER YEAR
891750	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.99 13.40	15.52 13.32	16.74 14.11	16.25 13.71	16.56 13.67	19.57 18.15	17.87 16.48	17.44 15.64	17.52 14.95	17.15 14.14	16.97 14.19	16.99 14.60	1
2	15.34 13.40	15.54 13.24	17.24 14.89	16.38 13.69	16.72 14.23	19.60 18.40	18.12 16.61	17.49 15.63	17.60 14.94	17.24 14.17	16.87 14.27	16.80 14.67	2
3	15.84 13.47	15.46 13.31	17.87 16.05	16.29 13.92	16.74 13.71	20.37 19.07	18.09 16.75	17.67 15.59	17.61 15.00	17.17 14.17	16.74 14.32	16.75 14.66	3
4	15.91 13.59	15.44 13.24	18.11 16.67	16.47 13.51	16.75 13.77	20.40 19.34	18.06 16.70	17.84 15.62	17.60 14.83	17.13 14.17	16.41 14.08	16.80 14.60	4
5	15.94 13.69	15.49 13.34	17.92 16.52	16.39 13.54	16.58 13.77	20.66 19.17	18.19 16.75	17.84 15.63	17.32 14.61	17.04 14.33	16.17 14.07	16.80 14.69	5
6	16.07 13.89	15.63 13.42	17.65 16.04	16.54 13.47	16.50 13.69	20.78 19.24	18.26 16.77	17.88 15.77	17.05 14.40	16.71 14.07	16.31 14.02	17.15 14.77	6
7	16.04 13.64	15.82 13.39	17.56 15.64	16.56 13.57	16.98 13.84	21.79 19.71	18.36 16.89	17.92 15.94	16.82 14.31	16.35 13.96	16.31 14.02	17.28 14.91	7
8	15.76 13.15	15.99 13.40	17.62 15.22	16.76 13.66	16.64 14.28	22.84 21.53	18.67 17.18	18.23 16.26	16.69 14.33	16.30 13.83	16.46 14.14	17.62 14.86	8
9	15.41 13.59	16.16 13.46	17.42 14.97	16.52 13.85	17.41 14.53	23.57 22.61	18.80 17.23	17.62 15.79	16.31 14.32	15.68 13.93	16.57 14.21	16.64 15.04	9
10	15.87 13.69	16.49 13.63	17.12 14.63	16.13 13.79	21.58A 16.53A	23.81 23.33	18.30 17.10	17.43 15.88	16.64 14.13	16.47 13.92	15.26 14.09	17.90 15.14	10
11	15.83 13.56	16.16 13.64	16.82 14.26	15.84 13.63	24.38A 21.58A	23.77 23.22	18.18 16.99	17.40 15.74	16.43 14.09	16.46 14.30	16.86 14.24	17.66 14.82	11
12	15.74 13.48	15.84 13.34	16.37 13.99	16.24 13.64	24.72 24.12	23.17 22.37	17.97 16.87	17.36 15.68	16.61 14.47	16.76 14.29	17.08 14.34	17.64 14.84	12
13	15.83 13.33	15.84 13.02	16.09 13.78	16.29 13.77	24.55 23.96	22.10 21.24	17.87 16.72	17.33 15.68	16.97 14.92	16.78 14.12	17.14 14.25	17.57 14.84	13
14	15.99 13.36	15.69 13.13	16.11 13.69	16.12 13.63	24.79 24.24	21.30 20.05	18.10 17.03	17.38 15.51	17.35 14.63	16.97 14.17	17.22 14.37	17.37 14.69	14
15	16.04 13.42	15.61 13.19	16.29 13.69	16.15 13.59	25.94 25.16	20.35 19.00	18.28 16.93	17.16 15.54	17.12 14.46	17.18 14.23	17.11 14.25	16.89 14.60	15
16	16.14 13.40	15.47 13.30	16.37 13.79	16.40 13.67	26.26 25.90	19.64 18.42	18.04 17.08	17.56 15.33	17.33 14.63	17.36 14.32	17.18 14.39	16.88 14.58	16
17	16.20 13.54	15.47 13.21	16.60 13.84	16.59 14.09	26.21 25.75	19.20 17.85	18.21 17.15	17.18 15.29	17.44 14.64	17.71 14.65	17.09 14.43	17.43 14.65	17
18	15.75 13.42	15.73 13.24	16.66 13.95	16.59 13.67	25.94 25.59	18.85 18.00	18.08 16.87	17.44 15.38	17.34 14.49	17.63 14.79	16.82 14.26	17.17 14.90	18
19	16.46 14.04	15.98 13.53	16.80 14.24	17.09 13.67	25.52 25.14	19.03 17.53	18.13 16.78	17.49 15.33	17.35 14.40	17.48 14.46	16.57 14.25	17.12 14.56	19
20	16.25 13.84	16.42 13.72	16.85 13.96	17.24 14.64	25.14 24.76	18.53 17.26	17.80 16.18	17.40 15.05	17.33 14.38	17.11 14.22	16.89 14.36	16.89 14.49	20
21	16.03 13.78	16.04 13.91	16.84 13.95	17.26 14.81	24.76 24.37	17.94 16.72	17.61 15.97	17.25 14.78	17.33 14.43	16.69 14.02	17.19 14.61	16.76 14.28	21
22	15.69 13.43	16.03 13.37	17.44 14.40	16.93 15.17	24.36 23.94	18.29 16.66	17.55 15.67	17.30 14.75	17.36 14.70	16.57 14.14	17.76 14.72	15.92 14.17	22
23	15.89 13.53	16.36 13.33	17.44 15.40	16.93 15.13	23.85 23.39	17.89 16.67	17.50 15.57	17.39 14.91	17.23 14.54	16.40 14.18	17.69 14.96	16.73 14.18	23
24	16.03 13.53	16.76 13.59	17.03 15.21	16.43 14.67	23.22 22.53	17.77 16.55	17.73 15.77	17.19 14.73	16.34 14.01	16.00 14.36	16.17 14.77	16.72 14.27	24
25	16.33 13.44	16.79 13.94	16.67 14.66	16.02 14.17	22.16 21.40	17.59 16.34	17.52 15.64	16.82 14.64	16.49 13.94	17.01 14.45	17.48 14.61	16.99 14.56	25
26	16.42 13.78	16.25 13.84	16.10 14.21	15.83 13.77	21.14 20.37	17.59 16.12	17.32 15.56	16.62 14.52	16.58 13.89	17.06 14.47	17.55 14.72	16.89 14.48	26
27	16.51 13.74	16.14 13.59	15.56 13.73	15.69 13.52	20.22 19.00	17.42 15.89	17.31 15.60	16.65 14.64	16.64 14.07	17.26 14.46	17.52 14.57	16.81 14.47	27
28	15.49 13.70	16.08 13.94	15.44 13.38	15.66 13.39	19.54 18.40	17.55 16.13	17.17 15.63	16.95 14.65	16.86 14.25	17.34 14.51	17.29 14.52	16.49 14.31	28
29	15.12 13.04	16.39 14.04	15.51 13.25	15.83 13.44		17.87 16.29	17.28 15.98	17.09 14.91	17.35 14.50	17.47 14.56	17.55 14.80	16.24 14.18	29
30	15.40 12.88	16.49 14.29	15.65 13.28	16.04 13.48		17.61 16.09	17.47 15.85	17.27 15.02	17.23 14.19	17.46 14.47	17.37 14.67	16.20 14.16	30
31	15.62 13.11		15.76 13.41	16.34 13.62		17.56 16.11		17.40 14.99		17.24 14.33	17.24 14.74		31
MAXIMUM	16.51	16.79	18.11	17.26	26.26	23.81	18.80	18.23	17.81	17.83	17.76	17.90	MAXIMUM
MINIMUM	12.88	13.02	13.25	13.39	13.67	15.89	15.56	14.52	13.89	13.83	14.02	14.16	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R M.D.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 21 02	121 31 56	SW22 6N 4E		20.5	12/23/55		AUG 39-DATE	1939 1939		0.00 -3.02	USED USCOS

Station located .2 mi. above head of Slough (leveed off from river), W of State Highway 24, 2.5 mi. NE of Courtland. Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

TABLE 314

* DAILY MAXIMUM AND MINIMUM TIDES

SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE (in feet)

STATION NO	WATER YEAR
891740	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.52 11.61	13.82 11.43	14.64 12.02	14.14 11.59	14.50 11.65	15.03 12.38	14.90 12.88	14.60 12.58	14.97 12.22	15.05 12.05	14.83 12.06	14.28 11.79	1
2	14.10 11.72	13.64 11.39	14.92 12.49	14.24 11.58	14.62 12.30	15.17 13.27	15.02 13.26	14.79 12.63	15.04 12.26	15.10 12.05	14.75 12.09	14.19 11.91	2
3	13.98 11.53	13.58 11.49	14.97 12.93	14.19 11.66	14.63 11.72	14.96 12.43	14.98 12.98	14.99 12.69	15.33 12.38	15.06 12.05	14.66 12.16	14.09 11.80	3
4	14.02 11.67	13.58 11.41	15.05 13.27	14.31 11.40	14.64 11.75	14.93 12.41	14.87 13.12	15.24 12.76	15.17 12.30	15.02 12.07	14.34 11.69	14.06 11.73	4
5	14.08 11.61	13.57 11.52	14.92 13.11	14.26 11.42	14.49 11.77	15.30 12.40	14.98 13.04	15.22 12.65	15.07 12.14	14.94 12.20	14.08 11.83	14.17 11.69	5
6	14.19 12.05	13.74 11.63	14.94 12.80	14.33 11.33	14.42 11.75	15.61 13.08	14.95 12.93	15.23 12.66	14.92 12.07	14.68 11.94	14.20 11.61	13.32 11.63	6
7	14.16 11.45	13.92 11.58	14.98 12.53	14.39 11.50	14.85 11.93	15.47 13.30	15.07 12.99	15.21 12.75	14.78 12.08	14.34 11.87	14.21 11.83	14.41 11.63	7
8	13.46 11.37	14.08 11.60	15.18 12.37	14.64 11.54	14.61 12.28	15.40 13.97	15.37 13.27	15.59 13.13	14.66 12.14	13.95 11.73	14.39 11.95	14.63 11.68	8
9	13.85 11.60	14.21 11.64	15.07 12.39	14.47 11.79	15.14 12.44	15.44 13.41	15.49 13.26	14.96 12.55	14.46 12.06	14.25 11.84	13.19 11.89	14.90 11.93	9
10	14.01 11.64	14.53 11.77	14.90 12.19	14.14 11.73	15.70 13.33	15.14 12.96	14.90 12.89	14.72 12.54	14.52 11.87	14.41 11.84	14.42 11.77	15.05 12.04	10
11	13.88 11.72	14.26 11.60	14.63 11.91	13.85 11.59	16.62A 13.66A	14.92 12.56	14.79 12.61	14.64 12.36	14.35 11.82	14.39 12.14	14.64 11.88	14.79 11.77	11
12	13.85 11.66	13.99 11.51	14.28 11.72	14.20 11.62	16.79 16.44	14.58 11.99	14.68 12.79	14.60 12.45	14.44 12.27	14.65 12.09	14.83 11.98	14.74 11.83	12
13	13.94 11.45	13.99 11.22	14.06 11.56	14.25 11.73	16.46 14.83	14.40 11.77	14.68 12.86	14.66 12.59	14.80 12.64	14.70 11.94	14.88 11.93	14.67 11.84	13
14	14.11 11.47	13.87 11.30	13.99 11.52	14.09 11.61	16.29 14.55	14.41 11.81	14.96 13.37	14.78 12.45	15.19 12.45	14.82 11.99	14.95 12.04	14.44 12.17	14
15	14.16 11.40	13.63 11.35	14.21 11.58	14.12 11.52	17.72 15.86	14.42 11.78	15.12 13.16	14.58 12.61	14.93 12.23	14.99 12.05	14.85 11.92	14.62 12.33	15
16	14.28 11.49	13.83 11.45	14.25 11.67	14.37 11.64	18.73 17.54	14.42 12.57	14.77 13.37	14.91 12.51	15.12 12.28	15.17 12.17	14.87 12.14	14.62 12.29	16
17	13.73 11.64	13.62 11.37	14.39 11.72	14.53 12.14	18.43 17.79	14.35 11.89	14.89 13.17	14.67 12.40	15.18 12.25	15.49 12.52	14.83 12.22	15.14 12.41	17
18	14.35 11.77	13.78 11.43	14.47 11.86	14.52 11.70	16.60 15.92	14.33 11.84	14.83 13.17	14.87 12.45	15.12 12.08	15.62 12.64	14.61 12.04	14.94 12.74	18
19	14.53 12.19	14.03 11.72	14.63 12.19	14.90 11.69	15.34 15.02	14.74 11.97	14.98 13.29	14.93 12.50	15.08 12.03	15.25 12.33	14.38 12.04	14.88 12.34	19
20	14.37 11.97	14.42 11.94	14.65 11.85	15.10 12.60	16.00 14.74	14.91 12.40	14.84 12.73	14.94 12.22	15.11 12.08	14.98 12.09	14.48 12.07	14.75 12.18	20
21	14.08 11.97	14.12 12.09	14.59 11.84	14.77 12.43	15.51 14.22	14.85 13.17	14.70 12.55	14.79 11.98	15.13 12.18	14.62 11.93	14.77 12.33	13.88 11.99	21
22	13.71 11.59	14.08 11.51	14.82 11.83	14.35 12.15	15.18 13.72	15.19 13.17	14.77 12.45	14.91 12.11	15.21 12.48	14.41 12.04	13.89 12.26	14.63 11.90	22
23	13.94 11.64	14.40 11.52	14.73 12.27	14.47 12.07	15.17 13.32	14.85 13.07	14.87 12.46	15.07 12.29	15.06 12.31	14.20 12.08	14.84 12.04	14.63 11.93	23
24	14.04 11.71	14.77 11.77	14.59 12.18	14.22 11.97	15.14 13.31	14.63 12.88	15.15 12.65	14.85 12.07	14.51 11.86	14.67 12.28	14.88 11.87	14.58 12.03	24
25	14.29 11.64	14.84 12.13	14.40 11.94	13.91 11.82	14.91 12.88	14.54 12.68	14.86 12.35	14.53 11.97	14.37 11.83	14.83 12.37	14.74 11.73	14.80 12.34	25
26	14.41 11.89	14.40 12.01	13.96 11.70	13.76 11.62	14.38 12.28	14.63 12.59	14.64 12.27	14.33 11.91	14.45 11.79	14.91 12.30	14.76 11.88	14.72 12.29	26
27	14.52 11.81	14.18 11.69	13.39 11.36	13.68 11.41	14.42 12.03	14.59 12.45	14.67 12.42	14.32 12.08	14.49 11.95	15.04 12.30	14.73 11.67	14.65 12.30	27
28	13.87 11.84	14.08 11.73	13.34 11.09	13.68 11.30	14.57 12.18	14.75 12.70	14.53 12.44	14.57 12.08	14.65 12.04	15.16 12.34	14.55 11.67	14.43 12.19	28
29	13.38 11.16	14.34 11.85	13.41 10.99	13.82 11.45		15.09 12.79	14.56 12.53	14.66 12.35	15.12 12.29	15.28 12.42	14.68 11.84	14.19 12.07	29
30	13.56 10.99	14.54 12.20	13.50 11.07	14.07 11.50		14.75 12.56	14.55 12.52	14.78 12.38	15.03 12.08	15.30 12.38	14.53 11.74	14.17 12.04	30
31	13.59 11.99		13.67 11.21	14.32 11.60		14.59 12.52		14.66 12.30		15.10 12.20	14.47 11.85		31
MAXIMUM	14.53	14.84	15.18	15.10	18.73	15.61	15.49	15.59	15.33	15.62	14.95	15.14	MAXIMUM
MINIMUM	10.99	11.22	10.99	11.30	11.65	11.77	12.27	11.91	11.79	11.73	11.57	11.63	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 16 37	121 29 45	NW24 5N 4E		14.4	4/4/58		OCT 57-DATE			-1.35	USCOS

Station located on Twin Cities Road (Laurel Lane) bridge, approx. 3 mi. NE of Walnut Grove.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 315

• DAILY MAXIMUM AND MINIMUM TIDES

DELTA CROSS CHANNEL AT WALNUT GROVE

in feet

STATION NO	WATER YEAR
B91700	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	14.41 11.68	14.00 11.46	15.01 12.11	NR NR	14.81 11.67	15.22 12.09	15.22 13.06	14.88 12.73	15.33 12.29	15.24 12.25	15.29 12.01	14.67 11.64	1
2	13.80 11.61	13.99 11.43	15.31 12.66	NR NR	14.92 11.72	15.40 12.11	15.39 13.18	15.17 12.76	15.42 12.35	15.26 12.27	15.19 12.10	14.55 11.79	2
3	14.25 11.60	13.93 11.51	15.27 13.16	NR NR	14.99 12.41	15.24 12.74	15.31 13.29	15.39 12.83	15.70 12.45	15.19 12.29	15.05 12.15	14.44 11.72	3
4	14.35 11.73	13.94 11.42	15.28 13.29	NR NR	15.01 11.74	15.26 12.14	15.23 13.32	15.61 12.81	15.50 12.34	15.11 12.33	14.70 11.91	14.43 11.67	4
5	14.40 11.82	13.94 11.60	14.34 13.34	NR NR	14.84 11.77	15.59 12.17	15.27 13.21	15.59 12.70	15.32 12.18	15.02 12.49	14.42 11.85	14.49 11.64	5
6	14.51 12.05	14.12 11.59	15.14 12.95	NR NR	14.79 11.73	15.89 12.84	15.26 13.11	15.59 12.74	15.17 12.15	14.67 11.94	14.57 11.87	14.75 11.57	6
7	14.46 11.82	14.31 11.61	15.29 12.64	NR NR	15.20 11.87	15.56 13.05	15.35 13.16	15.55 12.82	15.03 12.19	14.67 11.89	14.61 11.93	14.97 11.55	7
8	13.76 11.37	14.48 12.05	15.55 12.46	NR NR	14.90 12.29	15.47 13.48	15.68 13.45	15.84 13.24	14.86 12.21	14.65 11.78	14.75 12.10	13.99 11.59	8
9	14.17 11.49	14.68 11.67	15.42 12.38	14.80 11.78	15.52 12.41	15.64 13.22	15.77 13.43	15.15 12.64	14.49 12.21	14.01 11.94	14.84 12.01	15.27 11.80	9
10	14.27 11.80	14.97 11.84	15.16 12.71	14.43 11.76	16.04 O 13.20	15.43 12.83	15.12 13.13	14.89 12.67	14.75 12.04	14.84 11.96	13.49 11.86	15.46 11.86	10
11	14.22 11.67	14.68 11.82	14.95 11.91	14.16 11.62	16.09 13.42	15.23 12.47	15.00 13.03	14.83 12.50	14.59 12.01	14.84 12.27	15.10 11.95	15.20 11.56	11
12	14.14 11.58	14.42 11.53	14.58 11.74	14.55 11.68	16.52 14.26	14.86 11.84	14.83 12.99	14.81 12.59	14.71 12.46	15.12 12.16	15.29 12.02	15.13 11.64	12
13	14.21 11.40	14.36 11.21	14.30 11.62	14.60 11.82	16.53 13.84	14.68 11.63	14.83 13.05	14.91 12.75	15.08 12.84	15.15 11.98	15.36 11.92	15.05 11.62	13
14	14.39 11.40	14.24 11.34	14.37 11.59	14.44 11.69	16.23 14.20	14.70 11.69	15.18 13.59	15.02 12.63	15.45 12.61	15.35 12.04	15.46 12.06	14.82 O 12.06	14
15	14.43 11.45	14.20 11.43	14.51 11.67	14.48 11.63	17.40 15.73	14.74 11.67	15.33 13.34	14.83 12.77	15.20 12.31	15.56 12.07	15.36 11.90	15.02 12.29	15
16	14.57 11.44	14.06 11.56	14.62 11.78	14.75 11.69	17.71 15.91	14.77 11.79	14.96 13.36	15.27 12.68	15.37 12.42	15.73 12.15	15.33 12.09	15.04 12.30	16
17	14.65 11.61	14.05 11.47	14.81 11.86	14.88 11.73	17.26 16.26	14.71 11.73	15.11 13.34	14.99 12.55	15.44 12.39	16.09 12.52	15.28 12.14	15.57 12.37	17
18	14.21 11.72	14.23 11.52	14.92 11.95	14.87 12.43	16.57 15.09	14.73 12.43	15.04 13.33	15.22 12.59	15.37 12.19	16.19 12.59	14.99 11.99	15.33 12.77	18
19	14.89 12.19	14.53 11.82	15.05 11.93	15.28 11.73	16.37 14.25	15.15 11.90	15.21 13.47	15.29 12.62	15.31 12.14	15.86 12.34	14.75 11.98	15.29 12.32	19
20	14.74 11.97	14.99 12.07	15.07 12.50	15.47 12.61	16.02 13.98	15.22 O 12.34	15.05 12.82	15.25 12.30	15.34 12.19	15.52 12.09	14.87 O 12.06	15.15 12.19	20
21	14.49 11.99	14.61 12.23	15.04 11.95	15.11 12.50	15.54 13.57	15.15 13.34	14.89 12.66	15.12 12.09	15.38 12.30	15.07 11.91	15.16 12.34	15.01 12.03	21
22	14.16 11.61	14.56 11.58	15.22 12.05	14.61 12.32	15.26 13.25	15.54 13.34	15.00 12.56	15.25 12.17	15.42 12.67	14.90 12.04	14.12 O 12.19	14.21 11.94	22
23	14.37 11.75	14.88 11.53	15.12 12.51	14.74 12.22	15.23 12.94	15.13 13.23	15.12 12.55	15.38 12.37	15.24 12.49	15.16 12.14	15.29 11.90	14.97 11.94	23
24	14.52 11.70	15.27 11.78	14.93 12.40	14.44 12.08	15.24 13.02	14.86 13.06	15.37 12.77	15.17 12.17	14.35 12.06	14.30 12.37	15.30 11.69	14.98 12.06	24
25	14.78 11.69	15.24 12.13	NR NR	14.14 11.89	15.03 12.70	14.76 12.84	15.07 12.50	14.82 12.10	14.58 12.04	15.34 12.47	15.15 11.54	15.21 12.39	25
26	14.89 11.87	14.75 11.99	NR NR	13.97 11.66	14.50 12.05	14.86 12.77	14.83 12.40	14.57 11.99	14.67 12.01	15.45 12.36	15.19 11.67	15.17 12.33	26
27	14.92 11.84	14.51 11.72	NR NR	13.89 11.49	14.53 11.77	14.84 12.66	14.85 12.55	14.62 12.20	14.77 12.18	15.59 12.34	15.14 11.41	15.01 12.34	27
28	14.21 11.86	14.38 11.82	NR NR	13.90 11.44	14.80 11.87	15.02 12.85	14.76 12.60	14.88 12.19	14.89 12.26	15.69 12.38	14.95 11.35	14.79 12.24	28
29	13.69 11.22	14.66 11.93	NR NR	14.08 11.54		15.35 13.00	14.81 12.67	15.01 12.49	15.38 12.55	15.81 12.41	15.08 11.65	14.54 12.12	29
30	13.88 11.01	14.84 12.25	NR NR	14.29 11.50		14.99 12.71	14.82 12.70	15.15 12.49	15.26 12.30	15.80 12.34	14.93 11.56	14.50 12.10	30
31	14.10 11.74		NR NR	14.62 11.64		14.84 12.69		15.22 12.39		15.60 12.17	14.87 11.68		31
MAXIMUM	14.92	15.27	NR	NR	17.71	15.89	15.77	15.84	15.70	16.19	15.46	15.57	MAXIMUM
MINIMUM	11.01	11.21	NR	NR	11.67	11.63	12.40	11.99	12.01	11.78	11.35	11.55	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

• In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

O Gate operation: Feb. 10 - closed Mar. 20 - opened Aug. 20 - closed north gate, Aug. 22 - closed south gate. Sep. 14 - opened.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		OATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R M O&BM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 14 48	121 30 25	NE35 5N 4E					SEP 52-DATE	1952	1957	-1.37	USCGS
								1957	1958	-1.54	USCGS
								1958		-1.63	USCGS

Station located approx. 1,000 ft. below head, just below So. Pacific R. R. bridge. Station affected by tidal action. Maximum ht. listed does not indicate maximum discharge.

TABLE 316

* DAILY MAXIMUM AND MINIMUM TIDES

MOKELUMNE RIVER NEAR THORNTON

in feet

STATION NO	WATER YEAR
894200	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.98 9.82	12.67 9.66	13.43 10.18	13.22 10.03	13.31 9.78	13.97 11.41	13.94 12.54	13.70 12.14	13.93 10.69	14.00 10.41	13.78 10.29	13.33 10.24	1
2	12.41 9.78	12.59 9.65	13.69 10.70	13.19 9.87	13.37 10.64	14.28 12.40	14.00 12.24	13.86 12.19	14.06 10.78	14.07 10.40	13.67 10.37	13.24 10.40	2
3	12.85 9.79	12.46 9.69	13.68 11.20	13.13 10.32	13.45 9.82	14.60 11.97	13.94 12.37	14.05 12.20	14.37 11.27	14.00 10.37	13.52 10.49	13.05 10.24	3
4	12.93 9.93	12.46 9.63	13.65 11.33	13.31 9.66	13.47 9.87	14.69 13.85	13.89 12.38	14.25 12.26	NR NR	13.96 10.41	13.25 10.31	13.00 10.15	4
5	12.91 10.01	12.47 9.75	13.58 11.11	13.23 9.67	13.32 9.89	14.55 13.24	13.88 12.35	14.23 12.05	NR NR	13.84 10.56	13.00 10.31	13.09 10.09	5
6	13.02 10.27	12.62 9.75	13.54 10.75	13.34 9.58	13.24 9.84	14.89 13.21	13.87 12.27	14.26 12.16	NR NR	13.55 10.32	13.15 10.21	13.34 10.04	6
7	13.00 10.07	12.84 9.74	13.63 10.51	13.39 9.69	13.56 9.99	16.07A 14.75A	14.03 12.44	14.23 12.04E	NR NR	13.21 10.29	13.20 10.31	12.35 10.00	7
8	12.40 9.64	12.98 9.75	13.85 10.41	13.53 9.80	13.33 10.42	17.98A 16.60A	14.34 12.84	14.49 12.34	NR NR	12.79 10.17	13.35 10.50	13.56 10.04	8
9	12.76 9.87	13.14 9.78	13.78 10.42	13.34 10.00	13.83 10.58	16.22 15.37	14.46 12.91	13.79 11.32E	NR NR	13.22 10.37	12.01 10.31	13.83 10.29	9
10	12.87 10.09	13.44 9.99	13.63 10.25	12.98 10.01	15.01A 12.12A	15.13 14.22	13.89 12.44	13.55 11.40E	NR NR	13.39 10.34	13.46 10.16	13.95 10.37	10
11	12.82 9.93	13.15 9.96	13.40 9.99	12.73 9.81	19.75A 15.01A	14.54 13.23	13.79 12.27	13.47E 11.03	NR NR	13.37 10.59	13.70 10.28	13.74 10.02	11
12	12.90 9.85	12.93 9.60	13.05 9.82	13.10 9.89	19.63A 17.69A	14.07 12.33	13.62 11.95	13.41 11.06	NR NR	13.61 10.46	13.81 10.36	13.68 10.10	12
13	12.85 9.65	12.88 9.31	12.80 9.70	13.14 10.05	17.70A 16.25A	13.84 11.91	13.63 12.16	13.60E 11.41E	NR NR	13.62 10.26	13.87 10.25	13.59 10.10	13
14	13.02 9.64	12.73 9.40	12.88 9.71	12.99 9.89	18.89A 16.34A	13.76 11.65	13.91 12.78	13.67 11.15E	NR NR	13.82 10.31	13.95 10.35	13.35 10.48	14
15	13.05 9.69	12.50 9.50	13.04 9.82	13.05 9.83	20.14A 18.89A	13.72 11.50	14.10 13.11	13.46E 11.37	NR NR	14.02 10.44	13.80 10.18	13.39 10.49	15
16	13.16 9.68	12.68 9.66	13.13 9.98	13.27 9.89	20.37A 20.15A	13.71 12.14	13.78 12.58	13.84 11.24	NR NR	14.20 10.53	13.83 10.47	13.44 10.55	16
17	12.58 9.83	12.53 9.56	13.28 10.08	13.43 10.58	20.21A 18.63A	13.64 11.52	13.83 12.51	13.61 10.97	NR NR	14.42 10.88	13.77 10.58	13.91 10.62	17
18	13.20 9.95	12.72 9.63	13.40 10.10	13.43 9.94	18.63A 16.98A	13.65 11.43	13.73 12.38	13.81E 11.02E	NR NR	14.53 10.93	13.54 10.36	13.79 11.05	18
19	13.39 10.44	12.97 9.98	13.55 10.59	13.75 9.95	16.99A 15.90A	14.01 11.50	13.84 12.42	13.14 11.03	NR NR	14.21 10.62	13.38 10.45	13.78 10.60	19
20	13.22 10.17	13.40 10.26	13.58 10.09	13.88 10.84	15.86 15.41	13.88 11.85	13.78 11.97	13.87 11.02E	NR NR	13.92 10.37	13.52 10.50	13.68 10.45	20
21	12.97 10.18	13.04 10.34	13.53 10.09	13.53 10.68	15.29 14.62	13.83 12.28	13.67 11.75	13.62E 10.54	NR NR	13.54 10.25	13.76 10.78	13.53 10.27	21
22	12.69 9.80	12.99 9.63	13.60 10.05	13.08 10.39	14.54 13.76	14.13 12.29	13.73 11.58	13.88 10.55	NR NR	13.44 10.42	12.80 10.77	12.77 10.20	22
23	12.88 9.87	13.31 9.56	13.46 10.36	13.20 10.20	14.22 13.24	13.82 12.52	13.81E 11.63E	14.03 10.82	NR NR	13.09 10.49	13.91 10.52	13.51 10.24	23
24	13.02 9.88	13.66 9.84	13.34 10.30	12.94 10.12	14.15 12.74	13.74 12.44	14.06 11.68	13.78 10.47	NR NR	13.67 10.72	13.89 10.29	13.50 10.34	24
25	13.29 9.85	13.64 10.24	13.17 10.09	12.62 9.99	13.85 12.24	13.66 12.05	13.76 11.35	13.45 10.52	NR NR	13.81 10.79	13.75 10.14	13.66 10.66	25
26	13.39 10.07	13.19 10.07	12.73 9.88	12.50 9.79	13.39 11.51	13.69 11.94	13.52 11.33	13.22 10.45	NR NR	13.87 10.62	13.79 10.30	13.57 10.59	26
27	13.42 10.03	12.90 9.76	12.20 9.58	12.43 9.61	13.39 11.16	13.65 11.79	13.67 11.85	13.32 10.65	13.63 10.62	14.00 10.60	13.75 10.06	13.47 10.65	27
28	12.78 10.05	12.76 9.78	12.21 9.43E	12.46 9.59	13.59 11.19	13.77 11.95	13.66 12.05	13.58 10.51	13.73 10.61	14.13 10.67	13.60 9.95	13.32 10.56	28
29	12.30 9.32E	13.06 9.85	12.32 9.43E	12.64 9.67		14.07 12.09	13.71 12.48	13.57 10.81	14.07 10.74	14.25 10.74	13.71 10.24	13.07 10.44	29
30	12.46 9.10E	13.23 10.31	12.44 9.48E	12.86 9.65		13.78 11.73	13.71 12.17	13.77 10.89	14.04 10.49	14.27 10.67	13.57 10.14	13.06 10.46	30
31	12.48 9.36E		12.57 9.59E	13.14 9.76		13.69 11.84		13.83 10.76		14.02 10.48	13.53 10.34		31
MAXIMUM	13.42	13.66	13.85	13.88	20.37	18.07	14.46	14.49	NR	14.53	13.95	13.95	MAXIMUM
MINIMUM	9.10E	9.31	9.43E	9.58	9.78	11.41	11.33	10.45	NR	10.17	9.95	10.00	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-11-62	1810	19.75	3- 7-62	2130	18.07						
2-16-62	1630	20.37									

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.O.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 15 20	121 26 21	NW28 5N 5E		10.4	2/16/62		FEB 59-DATE	1959		0.4	USCOS

Station located at highway bridge 2.3 mi. NW of Thornton. Also known as "Mokelumne River at Benson's Ferry".
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 317

* DAILY MAXIMUM AND MINIMUM TIDES

SOUTH FORK MOKELUMNE RIVER AT NEW HOPE BRIDGE in feet

STATION NO	WATER YEAR
894150	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.08 9.96	12.66 9.97	13.54 10.30	13.19 10.12	13.50 9.89	13.89 10.56	13.83 11.23	13.48 11.03	14.08 10.50	14.26 10.30	13.93 10.26	13.39 10.20	1
2	12.46 9.91	12.68 9.76	13.75 10.81	13.31 9.94	13.59 10.77	14.12 10.62	13.91 11.31	13.79 11.04	14.17 10.55	14.29 10.29	13.80 10.37	13.26 10.36	2
3	12.94 9.94	12.60 9.85	13.67 11.17	13.24 10.42	13.68 9.92	14.04 11.29	13.83 11.58	14.01 11.11	14.47 10.70	14.19 10.31	13.66 10.46	13.15 10.29	3
4	13.03 10.09	12.62 9.78	13.67 11.11	13.45 9.74	13.67 9.97	14.06 10.71	13.77 11.39	14.21 11.03	14.31 10.71	14.15 10.34	13.33 10.24	13.13 10.23	4
5	13.05 10.18	12.67 9.94	13.59 11.20	13.36 9.75	13.51 9.99	14.42 10.69	13.80 11.28	14.17 10.89	14.14 10.60	14.04 10.52	13.07 10.21	13.21 10.21	5
6	13.17 10.42	12.79 10.06	13.64 10.79	13.47 9.64	13.43 9.95	14.76 11.35	13.79 11.16	14.18 10.91	13.97 10.54	13.66 10.24	13.22 10.22	13.58 10.16	6
7	13.16 10.19	13.00 9.94	13.75 10.53	13.54 9.75	13.82 10.13	14.49 11.59	13.89 11.22	14.14 10.99	13.81 10.61	13.30 10.24	13.24 10.31	13.73 10.13	7
8	12.52 9.81	13.16 9.92	14.10 10.44	13.69 9.84	13.56 10.53	14.37 12.03	14.23 11.52	14.45 11.44	13.64 10.64	13.27 10.12	13.39 10.50	12.76 10.18	8
9	12.89 10.14	13.34 9.96	14.03 10.47	13.49 10.07	14.15 10.74	14.54 11.75	14.33 11.52	13.72 10.71	13.21 10.57	12.57 10.31	13.52 10.32	14.06 10.40	9
10	13.04 10.22	13.65 10.17	13.80 10.32	13.09 10.08	14.55 11.64	14.29 11.41	13.63 11.16	13.47 10.74	13.54 10.40	13.49 10.33	12.12 10.16	14.22 10.46	10
11	12.97 10.08	13.35 10.13	13.59 10.07	12.82 9.88	14.99 11.97	14.11 11.04	13.50 11.04	13.41 10.57	13.38 10.37	13.50 10.58	13.74 10.23	13.96 10.14	11
12	12.91 9.97	13.09 9.76	13.19 9.89	13.19 9.98	15.23 12.70	13.67 10.43	13.35 10.98	13.36 10.72	13.53 10.88	13.77 10.45	13.95 10.30	13.90 10.22	12
13	12.96 9.77	13.01 9.45	12.92 9.82	13.28 10.17	15.25 12.29	13.47 10.19	13.39 11.13	13.50 10.93	13.90 11.23	13.82 10.27	14.04 10.20	13.79 10.21	13
14	13.14 9.77	12.84 9.56	13.01 9.83	13.14 10.01	15.02 12.79	13.48 10.26	13.76 11.74	13.67 10.80	14.28 10.95	14.03 10.31	14.11 10.31	13.60 10.57	14
15	13.18 9.82	12.79 9.67	13.18 9.91	13.19 9.94	16.11 14.19	13.51 10.23	13.90 11.44	13.48 10.96	14.06 10.66	14.23 10.36	14.01 10.20	13.69 10.60	15
16	13.29 9.79	12.69 9.84	13.28 10.12	13.43 9.99	16.27 14.27	13.56 10.30	13.51 11.44	13.89 10.91	14.23 10.73	14.41 10.46	14.06 10.42	13.74 10.65	16
17	13.35 9.97	12.67 9.74	13.49 10.17	13.59 10.72	15.81 14.54	13.48 10.24	13.63 11.43	13.62 10.70	14.30 10.66	14.78 10.83	13.97 10.50	14.29 10.72	17
18	12.86 10.09	12.86 9.79	13.61 10.19	13.59 10.04	15.29 13.54	13.53 10.43	13.58 11.44	13.84 10.73	14.23 10.33	14.85 10.91	13.68 10.34	14.02 11.16	18
19	13.57 10.44	13.15 10.12	13.74 10.72	13.93 10.02	15.09 12.70	13.95 11.19	13.78 11.60	13.93 10.74	14.21 10.39	14.53 10.64	13.46 10.36	13.99 10.69	19
20	13.39 10.29	13.59 10.43	13.76 10.19	14.09 10.84	14.77 12.47	13.79 10.89	13.68 10.97	13.89 10.43	14.23 10.48	14.19 10.37	13.65 10.46	13.81 10.50	20
21	13.15 10.31	13.22 10.48	13.72 10.17	13.67 10.70	14.32 12.07	13.70 11.49	13.52 10.83	13.77 10.26	14.27 10.59	13.74 10.23	13.92 10.76	13.71 10.34	21
22	12.83 9.92	13.15 9.79	13.76 10.15	13.14 10.34	13.99 11.76	14.10 11.52	13.64 10.73	13.93 10.33	14.30 10.96	13.55 10.37	14.09 10.77	12.87 10.28	22
23	13.07 10.00	13.49 9.73	13.61 10.40	13.26 10.21	13.99 11.46	13.72 11.42	13.78 10.74	14.09 10.55	14.11 10.73	13.19 10.49	12.83 10.52	13.67 10.28	23
24	13.18 9.98	13.89 10.00	13.46 10.35	12.99 10.15	13.99 11.55	13.44 11.26	14.04 10.98	13.80 10.29	13.16 10.34	13.82 10.74	14.08 10.29	13.66 10.39	24
25	13.45 9.94	13.80 10.39	13.28 10.16	12.70 10.06	13.78 11.25	13.37 11.04	13.75 10.64	13.48 10.26	13.50 10.33	13.98 10.82	13.87 10.13	13.91 10.74	25
26	13.56 10.17	13.31 10.21	12.79 9.96	12.59 9.87	13.22 10.61	13.49 10.98	13.47 10.55	13.25 10.25	13.61 10.32	14.10 10.64	13.93 10.25	13.77 10.70	26
27	13.57 10.13	13.04 9.90	12.29 9.69	12.57 9.73	13.27 10.30	13.48 10.85	13.48 10.75	13.33 10.46	13.70 10.42	14.26 10.61	13.88 9.99	13.67 10.70	27
28	12.47 10.14	12.86 9.94	12.29 9.44	12.58 9.74	13.54 10.40	13.68 11.07	13.42 10.83	13.61 10.47	13.86 10.42	14.37 10.68	13.69 9.90	13.45 10.63	28
29	12.36 9.45	13.17 10.04	12.39 9.39	12.76 9.79		14.00 11.18	13.47 10.88	13.72 10.78	14.35 10.66	14.50 10.72	13.82 10.21	13.24 10.52	29
30	12.55 9.28	13.35 10.44	12.52 9.53	12.99 9.75		13.60 10.84	13.40 10.92	13.86 10.77	14.27 10.39	14.48 10.63	13.65 10.09	13.20 10.50	30
31	12.73 9.55		12.64 9.73	13.27 9.86		13.47 10.84		13.94 10.60		14.23 10.42	13.60 10.26		31
MAXIMUM	13.57	13.89	14.10	14.09	16.27	14.76	14.33	14.45	14.47	14.85	14.11	14.29	MAXIMUM
MINIMUM	9.28	9.45	9.39	9.64	9.89	10.19	10.55	10.25	10.32	10.12	9.90	10.13	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 13 36	121 29 26	NW 1 4N 4E		13.3	12/25/55		AUG 20-DATE	1920 1940 1940	1940	0.26 0.00 2.84	USED USCGS USED

Station located on Staten Island, S of Walnut Grove-Thornton Highway bridge, 3.8 mi. W of Thornton.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 318

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT WALNUT GROVE

in feet

STATION NO	WATER YEAR
891650	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.11 10.90	12.67 10.13	13.76 10.68	13.33 10.44	13.59 10.26	15.33 13.25	14.15 11.97	13.88 11.43	14.38 10.96	14.29 10.66	14.07 10.70	14.01 11.13	1
2	12.98 10.93	12.70 10.07	14.15 11.22	13.45 10.29	13.73 10.28	15.48 13.33	14.33 11.85	14.13 11.43	14.48 10.99	14.34 10.64	13.96 10.78	13.81 11.24	2
3	12.61 10.26	12.64 10.14	14.13 11.78	13.33 10.07	13.79 11.00	15.81 13.96	14.24 11.95	14.42 11.43	14.74 11.10	14.26 10.67	13.80 10.83	13.76 11.22	3
4	13.09 10.41	12.64 10.08	14.13 11.94	13.51 10.09	13.80 10.33	15.88 13.85	14.14 11.99	14.55 11.36	14.54 10.96	14.20 10.67	13.47 10.64	13.78 11.17	4
5	13.11 10.46	12.68 10.19	14.08 11.59	13.44 10.73	13.65 10.37	16.26 14.20	14.20 11.85	14.51 11.26	14.31 10.81	14.12 10.82	13.21 10.59	13.77 11.22	5
6	13.23 10.73	12.81 10.20	14.08 11.79	13.58 10.03	13.59 10.29	16.46 14.20	14.22 11.77	14.52 11.30	14.10 10.72	13.79 10.59	13.34 10.61	14.13 11.21	6
7	13.20 10.54	13.01 10.53	14.22 11.23	13.64 10.13	14.00 10.45	16.70 14.40	14.31 11.84	14.44 11.41	13.90 10.76	13.42 10.57	13.38 10.66	14.32 11.32	7
8	12.51 10.10	13.18 10.22	14.47 11.06	13.83 10.23	13.77 10.89	17.16 15.40	14.59 12.11	14.76 11.83	13.75 10.80	13.38 10.44	13.56 10.81	14.68 11.30	8
9	12.90 10.44	13.38 10.26	14.35 10.98	13.63 10.43	14.38 11.05	17.60 16.05	14.68 12.13	14.01 11.22	13.32 10.76	12.75 10.61	13.66 10.74	13.61 11.50	9
10	13.06 10.55	13.66 10.46	14.07 10.79	13.23 10.40	16.13 12.26	17.67 16.52	13.98 11.79	13.70 11.27	13.64 10.62	13.56 10.64	13.90 10.59	14.93 11.57	10
11	12.95 10.40	13.35 10.43	13.79 10.47	12.95 10.24	17.69 15.74	17.59 16.40	13.81 11.73	13.16 11.11	13.48 10.61	13.56 10.94	14.10 10.65	14.70 11.25	11
12	12.90 10.30	13.11 10.13	13.37 10.33	13.34 10.31	18.27 17.05	17.07 15.83	13.67 11.70	13.65 11.21	13.65 11.03	13.84 10.84	12.70 10.73	14.67 11.26	12
13	12.99 10.15	13.04 9.78	13.09 10.19	13.39 10.47	18.34 17.08	16.44 15.13	13.68 11.78	13.77 11.35	14.03 11.41	13.67 10.65	14.18 10.63	14.61 11.26	13
14	13.17 10.15	12.92 9.91	13.16 10.17	13.22 10.33	18.29 17.23	15.93 14.40	14.05 12.29	13.91 11.22	14.38 11.15	14.09 10.69	14.26 10.72	14.39 10.99	14
15	13.19 10.19	12.88 10.00	13.33 10.25	13.26 10.23	19.18 18.02	15.53 13.77	14.27 12.07	13.71 11.34	14.17 10.87	14.29 10.73	14.15 10.66	13.88 10.99	15
16	13.30 10.17	12.74 10.13	13.43 10.41	13.50 10.31	19.24 18.18	15.26 13.43	13.87 12.09	14.21 11.27	14.36 10.97	14.48 10.79	14.22 10.84	13.90 11.00	16
17	13.38 10.35	12.73 10.03	13.61 10.46	13.65 10.36	19.17 18.13	14.99 13.09	13.99 12.04	13.89 11.12	14.47 10.93	14.82 11.19	14.17 10.89	14.42 11.08	17
18	12.91 10.43	12.91 10.08	13.72 10.53	13.65 10.35	19.15 18.20	14.85 12.90	13.95 12.05	14.14 11.15	14.41 10.73	14.97 11.26	13.85 10.75	14.20 11.45	18
19	13.51 10.82	13.18 10.37	13.84 10.52	14.03 11.26	18.77 18.00	15.19 13.33	14.20 12.21	14.21 11.16	14.38 10.69	14.62 10.99	13.63 10.74	14.14 11.04	19
20	13.45 10.62	13.63 10.64	13.87 11.08	14.27 11.20	18.45 17.71	14.63 12.98	14.04 11.59	14.14 10.87	14.38 10.71	14.27 10.73	13.95 10.88	13.97 10.93	20
21	13.17 10.61	13.26 10.75	13.87 10.49	14.00 11.14	18.08 17.38	14.03 12.06	13.92 11.43	14.04 10.67	14.41 10.80	13.83 10.57	14.23 11.17	13.86 10.75	21
22	12.84 10.24	13.22 10.12	14.15 10.57	13.50 10.98	17.93 17.07	14.45 12.07	14.03 11.28	14.18 10.74	14.43 11.16	13.65 10.70	14.80 11.18	13.04 10.69	22
23	13.04 10.36	13.56 10.07	14.01 11.12	13.65 10.90	17.61 16.77	14.02 11.95	14.11 11.26	14.27 10.93	14.25 10.95	13.89 10.78	14.72 11.50	13.82 10.70	23
24	13.15 10.29	13.93 10.30	13.80 11.03	13.29 10.72	17.28 16.19	13.73 11.79	14.33 11.47	14.03 10.73	13.55 10.52	14.07 11.03	13.22 11.29	13.80 10.79	24
25	13.43 10.28	13.93 10.69	13.56 10.71	12.95 10.53	16.61 15.42	13.62 11.59	14.02 11.20	13.68 10.69	12.93 10.53	12.87 11.14	14.54 11.14	14.06 11.09	25
26	13.55 10.47	13.65 10.57	13.06 10.43	12.80 10.27	15.88 14.64	13.74 11.53	13.77 11.12	13.54 10.64	13.65 10.55	14.17 11.01	14.59 11.24	13.93 11.04	26
27	13.58 10.45	13.24 10.27	12.53 10.13	12.71 10.13	15.39 13.76	13.70 11.38	13.79 11.27	13.37 10.82	13.73 10.69	14.33 11.00	14.57 11.03	13.87 11.07	27
28	12.85 10.47	13.11 10.38	12.47 9.84	12.73 10.06	15.09 13.43	13.86 11.59	13.70 11.29	13.86 10.84	13.94 10.74	14.44 11.05	14.32 10.97	13.59 10.94	28
29	12.33 9.83	13.33 10.46	12.56 9.79	12.86 10.18		14.26 11.73	13.76 11.37	13.98 11.12	14.42 10.99	14.55 11.07	14.53 11.24	13.37 10.83	29
30	12.58 9.63	13.57 10.79	12.67 9.86	13.10 10.13		13.86 11.43	13.75 11.35	14.16 11.16	14.31 10.72	14.58 11.00	14.40 11.14	13.34 10.80	30
31	12.79 9.86		12.78 10.05	13.38 10.22		13.75 11.43		14.26 11.03		14.33 10.82	14.27 11.22		31
MAXIMUM	13.61	13.93	14.47	14.27	19.24	17.67	14.68	14.76	14.74	14.97	14.80	14.93	MAXIMUM
MINIMUM	9.63	9.78	9.79	10.03	10.26	11.38	11.12	10.64	10.52	10.44	10.59	10.69	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B. R. M. O. B. B. M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 22	121 30 57	SW35 5N 4E		12.4	4/4/58		FEB 29-DATE	1929	1931	0.00	USED
				12.4	2/8/42			1931	1940	0.33	USED
				12.4	12/24/55			1940		0.00	USCOS
				12.4	12 25/55			1940		2.84	USED

Station located at head of Georgiana Slough, immediately SW of Walnut Grove. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 319

* DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT ISLETON

in feet

STATION NO	WATER YEAR
891600	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.93 12.20	15.42 12.00	16.44 12.55	16.05 12.36	16.39 11.96	17.00 13.27	16.56 12.56	16.35 12.64	16.94 12.28	17.07 12.23	16.80 12.31	NR NR	1
2	15.74 12.21	15.46 12.04	16.75 12.94	16.19 12.05	16.61 11.89	17.32 13.23	16.75 12.64	16.69 12.66	17.07 12.26	17.09 12.21	16.69 12.49	NR NR	2
3	15.90 12.22	15.38 12.05	16.55 13.14	16.13 11.79	16.69 11.89	17.27 13.27	16.63 12.76	16.97 12.64	17.31 12.35	17.01 12.24	16.53 12.54	NR NR	3
4	15.52 12.38	15.44 12.05	16.50 12.62	16.35 11.74	16.69 11.89	17.37 13.29	16.58 12.76	17.07 12.50	17.12 12.23	16.94 12.26	16.16 12.39	NR NR	4
5	15.95 12.50	15.54 12.12	16.56 12.53	16.32 11.55	16.62 12.86	18.85 14.11	16.68 12.63	17.03 12.33	16.87 12.09	16.81 12.56	15.80 12.31	NR NR	5
6	16.11 12.77	15.74 12.06	16.57 12.24	16.45 11.68	16.49 11.92	18.18 14.00	16.65 12.40	17.03 12.33	16.67 12.13	16.43 12.36	15.97 12.47	NR NR	6
7	16.05 12.50	15.95 12.03	16.69 12.20	16.51 12.90	16.87 12.13	17.65 14.28	16.71 12.40	16.96 12.42	16.43 12.33	16.13 12.45	16.02 12.66	16.78 12.95	7
8	15.29 12.05	16.13 12.03	16.97 12.29	16.72 11.80	16.47 12.54	17.64 14.24	16.98 12.69	17.26 12.99	16.29 12.46	16.13 12.39	16.19 12.87	17.12 12.84	8
9	15.85 12.38	16.29 12.30	16.89 13.50	16.47 12.00	16.95 12.68	17.98 14.67	17.03 12.63	16.51 12.37	16.26 12.55	16.32 12.69	16.32 12.59	17.33 12.99	9
10	15.98 12.27	16.57 13.37	16.62 12.20	16.02 12.02	17.27 13.43	17.87 14.82	16.22 12.27	16.15 12.50	16.15 12.51	16.33 12.75	16.58 12.39	16.08 12.96	10
11	15.47 12.57	16.27 12.15	16.40 11.89	15.73 11.94	18.06 14.69	17.77 14.69	15.95 12.24	15.63 12.33	16.28 12.56	16.66 13.05	15.13 12.40	17.15 12.60	11
12	15.75 12.12	16.06 11.86	15.94 11.83	16.16 12.13	18.16 15.05	17.21 14.17	15.78 12.29	16.12 12.64	15.12 13.00	15.05 12.81	16.76 12.38	17.17 12.65	12
13	15.81 11.96	15.93 11.53	15.75 11.78	16.22 12.40	18.52 15.12	16.78 13.85	15.69 12.52	16.26 12.90	16.64 13.22	16.67 12.49	16.87 12.19	17.09 12.60	13
14	15.97 11.94	15.76 11.68	15.90 11.84	16.10 12.18	18.26 15.10	16.68 13.69	16.35 13.25	16.46 12.83	17.05 12.80	16.93 12.47	17.01 12.32	16.87 12.57	14
15	15.99 11.97	15.76 11.86	16.08 12.11	16.13 12.01	19.18 15.95	16.68 13.36	16.58 12.83	16.30 12.93	16.83 12.46	17.14 12.40	NR NR	16.54 12.59	15
16	16.13 11.94	15.58 11.90	16.19 12.30	16.38 12.05	18.99 15.91	16.75 13.30	16.18 12.85	16.76 12.86	17.00 12.48	17.33 12.44	NR NR	16.59 12.68	16
17	16.24 12.16	15.64 11.94	16.43 12.42	16.51 12.04	18.80 15.90	16.65 13.10	16.36 12.86	16.48 12.57	17.10 12.38	17.68 12.87	NR NR	17.20 12.79	17
18	16.45 12.29	15.90 12.08	16.47 12.26	16.50 12.09	19.05 15.90	16.69 13.18	16.34 12.92	16.70 12.50	17.04 12.15	17.81 12.88	NR NR	16.87 13.21	18
19	16.07 12.67	16.17 12.27	16.69 13.20	16.89 12.94	18.85 15.79	17.17 13.49	16.61 13.05	16.74 12.53	17.01 12.09	17.43 12.63	NR NR	16.74 12.74	19
20	16.22 12.46	16.65 12.59	16.70 12.17	17.09 12.64	18.48 16.22	16.67 12.93	16.46 12.41	16.68 12.12	17.02 12.13	17.11 12.35	NR NR	16.60 12.64	20
21	16.00 12.42	16.23 11.83	16.57 11.99	16.59 13.49	17.85 15.40	16.36 13.03	16.31 12.27	16.59 11.94	17.04 12.25	16.61 12.25	NR NR	16.46 12.45	21
22	15.76 12.08	16.19 11.73	16.68 13.29	16.07 12.14	17.65 15.18	16.83 13.46	16.47 12.23	16.72 12.09	17.05 12.75	16.42 12.48	NR NR	16.44 12.39	22
23	16.02 12.03	16.49 13.00	16.50 12.19	16.24 11.99	17.52 15.00	16.38 12.85	16.62 12.35	16.81 12.28	16.87 12.60	16.71 12.69	NR NR	15.67 12.40	23
24	16.13 11.99	16.84 12.00	16.29 12.16	15.89 12.10	17.44 15.01	16.12 12.68	16.82 12.50	16.57 12.06	16.22 12.29	16.94 13.07	NR NR	16.44 12.51	24
25	16.41 12.64	16.85 12.44	16.14 12.04	15.59 12.14	17.08 14.61	16.00 12.46	16.52 12.16	16.20 12.10	16.35 12.37	16.99 13.07	NR NR	16.70 12.83	25
26	16.45 12.19	16.23 12.28	15.64 11.97	15.44 12.07	16.53 13.90	16.11 12.44	16.17 12.07	16.09 12.13	16.57 12.50	17.17 12.85	NR NR	16.58 12.81	26
27	16.39 12.17	15.85 12.07	15.12 11.77	15.42 11.99	16.31 13.46	16.04 12.38	16.15 12.29	16.43 12.40	15.17 12.48	15.63 12.77	NR NR	16.50 12.86	27
28	15.69 12.22	15.67 12.01	15.09 11.69	15.43 12.07	16.41 13.36	16.25 12.65	16.09 12.37	15.76 12.46	16.73 12.49	17.26 12.76	NR NR	16.25 12.78	28
29	15.03 11.59	15.93 12.14	15.22 11.70	15.63 12.06		16.57 12.72	16.20 12.26	16.61 12.81	17.16 12.63	17.41 12.77	NR NR	16.05 12.71	29
30	15.30 11.50	16.20 12.62	15.38 11.85	15.88 11.93		16.24 12.27	16.19 12.35	16.76 12.70	17.10 12.32	17.38 12.67	NR NR	16.03 12.77	30
31	15.52 11.75		15.49 12.12	16.19 11.99		16.13 12.22		16.85 12.42		17.14 12.48	NR NR		31
MAXIMUM	16.45	16.85	16.97	17.09	19.18	18.85	17.03	17.26	17.31	17.81	NR	NR	MAXIMUM
MINIMUM	11.50	11.53	11.69	11.55	11.89	12.22	12.07	11.94	12.09	12.21	NR	NR	MINIMUM

E - Estimated
NR - No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT.	DATE			FROM	TO		
38 09 46	121 36 42	SW26 4N 3E					APR 49-DATE	1949 1952	1952 1953	-4.41 -4.47	USCOS USCOS

Station located at Associated Oil Company docks near junction of State Highways 12 and 24, immediately NW of Isleton. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 320

* DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS NEAR LISBON

in feet

STATION NO	WATER YEAR
891560	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.64 12.19	16.27 12.04	17.34 12.94	16.78 12.31	17.16 11.96	21.51 A 20.91 A	17.48 13.53	16.87 12.86	17.44 12.55	17.49 12.68	17.35 12.78	17.14 13.11	1
2	15.92 12.20	16.29 12.06	17.49 13.07	16.93 12.07	17.31 11.94	20.91 A 19.65 A	17.65 13.60	17.18 12.88	17.56 12.73	17.44 12.81	17.24 13.07	17.06 13.30	2
3	16.47 12.19	16.19 12.10	17.40 13.58	16.83 11.75	17.46 13.07	19.69 18.55	17.54 13.74	17.46 12.96	17.83 12.74	17.34 12.79	17.10 12.96	17.08 13.49	3
4	16.65 12.29	16.16 12.03	17.78 15.55	17.13 12.85	17.49 11.94	19.31 18.42	17.46 13.52	17.64 12.87	17.63 12.61	17.29 12.81	16.66 12.60	17.11 13.49	4
5	16.65 12.42	16.24 12.10	18.10 16.24	17.05 11.77	17.27 11.96	19.30 17.85	17.40 13.50	17.63 12.74	17.37 12.34	17.26 13.13	16.53 12.46	17.00 13.56	5
6	16.79 12.84	16.48 12.04	18.53 16.64	17.17 11.62	17.28 11.89	19.49 17.63	17.37 13.50	17.53 12.49	17.16 12.16	16.90 12.38	16.68 12.67	17.29 13.49	6
7	16.78 11.96	16.70 12.50	18.15 16.54	17.21 11.69	17.77 12.23	20.85 A 18.78 A	17.19 12.59	17.34 12.62	16.98 12.50	16.61 12.62	16.68 12.79	17.44 13.64	7
8	15.73 11.31	16.88 12.13	17.97 14.90	17.48 11.78	17.42 12.81	21.95 A 20.85 A	17.35 13.04	17.78 13.42	16.88 12.74	16.60 12.52	16.75 12.96	16.26 13.36	8
9	16.61 12.29	16.98 12.06	17.84 13.08	17.23 12.07	18.23 13.20	22.70 A 21.95 A	17.58 13.30	17.03 12.63	16.49 13.08	16.02 12.98	15.47 12.61	17.71 13.65	9
10	16.74 12.52	17.29 12.39	17.44 12.43	16.81 12.09	18.72 14.68	22.90 A 22.69 A	16.78 12.68	16.75 12.81	16.90 13.00	16.78 12.86	16.78 12.32	18.00 13.72	10
11	16.69 12.22	16.90 12.18	17.22 11.89	16.57 11.95	NR NR	23.01 A 22.84 A	16.66 12.51	16.74 12.61	16.75 12.88	16.72 13.22	17.01 12.38	17.71 13.26	11
12	16.53 12.11	16.53 11.74	16.77 11.87	16.98 12.20	NR NR	22.94 A 22.77 A	16.36 12.29	16.73 13.34	16.81 13.22	17.04 13.04	17.19 12.62	17.72 13.50	12
13	16.56 11.88	16.62 11.34	16.50 11.74	17.03 12.45	NR NR	22.77 A 22.46 A	16.41 12.43	17.07 13.28	17.27 13.77	17.14 12.49	17.28 12.44	17.57 12.91	13
14	16.72 11.86	16.48 11.64	16.65 11.85	16.87 12.20	NR NR	22.46 A 22.19 A	16.94 13.57	16.98 13.15	17.68 13.15	17.22 12.67	17.38 12.57	17.44 12.96	14
15	16.81 11.94	16.23 11.85	16.90 12.07	16.87 12.06	NR NR	22.19 A 21.74 A	17.04 12.95	16.91 13.30	17.36 12.78	17.43 12.85	17.31 12.40	17.20 12.87	15
16	16.92 11.94	16.11 11.53	16.95 12.29	17.14 12.06	NR NR	21.74 A 20.96 A	16.67 12.87	17.21 13.23	17.57 12.87	17.58 12.92	17.36 12.72	17.24 13.04	16
17	16.95 12.17	16.42 11.84	17.30 12.57	17.24 12.12	NR NR	20.96 A 18.72 A	16.73 12.88	17.08 13.12	17.60 12.70	17.95 13.28	17.35 12.98	18.02 13.22	17
18	16.38 12.30	16.63 12.00	17.30 12.28	17.16 13.08	NR NR	18.82 17.74	16.72 12.91	17.44 13.12	17.53 12.48	18.15 13.52	17.13 12.59	17.64 14.03	18
19	17.20 12.98	16.81 12.00	17.47 12.27	17.84 12.22	NR NR	18.69 16.75	17.12 13.35	17.49 13.29	17.50 12.39	17.74 13.07	16.82 12.48	17.60 13.42	19
20	17.05 12.49	17.23 12.49	17.50 13.19	17.89 13.62	26.68A 25.59A	17.84 15.47	16.88 12.42	17.30 12.61	17.55 12.44	17.44 12.66	17.10 12.54	17.32 13.28	20
21	16.80 12.43	16.86 12.74	17.16 12.27	17.15 12.72	25.59A 24.73A	17.61 14.73	16.76 12.30	17.18 12.27	17.60 12.58	17.00 12.16	17.37 13.43	16.28 13.06	21
22	16.56 11.81	16.93 11.82	17.30 11.96	16.39 11.43	24.73A 24.11A	17.96 14.64	16.96 12.38	17.32 12.69	17.63 13.21	16.92 12.49	16.17 13.39	17.21 13.01	22
23	16.77 12.26	17.19 11.69	17.14 11.97	16.89 11.48	24.11A 23.66A	17.55E 15.77	17.13 12.66	17.48 13.14	17.49 13.05	16.57 12.75	17.72 13.52	17.26 13.11	23
24	16.91 11.97	17.54 12.01	16.99 11.95	16.64 11.99	23.66A 23.11A	17.82 16.32E	17.38 13.03	17.22 12.67	16.79 12.66	17.23 13.59	17.68 13.31	17.16 13.05	24
25	17.23 11.93	17.57 12.52	16.81 11.94	16.36 12.10	23.11A 22.72A	17.94 16.64	16.97 12.31	16.86 12.67	16.88 12.85	17.38 13.58	17.60 13.18	17.47 13.57	25
26	17.17 12.28	16.94 12.28	16.32 11.85	16.26 12.03	22.92A 22.48A	18.01 16.70	16.70 12.23	16.64 12.56	15.94 12.77	17.45 13.31	17.75 13.27	17.32 13.42	26
27	17.32 12.26	16.53 11.98	15.91 11.72	16.23 11.99	22.48A 21.95A	17.97 16.58	16.90 12.56	16.79 12.97	17.08 12.89	17.65 13.34	17.78 12.77	17.33 13.42	27
28	16.35 12.25	16.33 11.92	15.88 11.59	16.24 12.13	21.95A 21.51A	17.81 15.65	16.66 12.57	17.15 12.97	17.09 12.78	17.77 13.42	17.52 12.80	16.97 13.27	28
29	15.74 11.31	16.77 12.21	16.01 11.67	16.43 12.13		17.66 14.25	16.76 12.43	17.24 13.35	17.67 13.35	17.97 13.38	17.87 13.24	16.69 12.94	29
30	16.04 11.30	16.99 12.83	16.15 11.83	16.65 11.96		17.18 13.43E	16.73 12.57	17.35 13.19	17.56 12.86	17.93 13.28	17.58 12.97	16.59 13.00	30
31	16.33 11.77		16.25 12.13	16.96 12.01		17.07 13.36E		17.39 12.75		17.68 13.05	17.41 13.15		31
MAXIMUM	17.32	17.57	18.53	17.89	NR	23.01	17.68	17.78	17.83	18.15	17.87	18.02	MAXIMUM
MINIMUM	11.30	11.34	11.59	11.43	NR	13.36E	12.23	12.27	12.16	12.16	12.32	12.87	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-11-62	1700	23.01									

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 30	121 35 14	SE 1 7N 3E					FEB 59-DATE	1961		0.43	USCOS

Station located 0.1 mi. N of east end of Sacramento Northern Railway treatle, 5.2 mi. NW of Clarksburg.
Station affected by tidal action. Maximum gage ht. listed does not neceaaarily indicate maximum discharge.
Record listed is not considered to have the same degree of accuracy as other records publiahed in this report.

TABLE 321

* DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS AT LIBERTY ISLAND

STATION NO	WATER YEAR
891500	1962

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.30 11.86	15.71 11.74	16.80 12.31	16.43 11.95	16.65 11.47	NR NR	16.64 11.84	16.52 12.06	17.26 11.59	17.53 11.66	17.14 11.79	16.69 12.30	1
2	16.05 11.92	15.80 11.73	16.95 12.56	16.54 11.66	16.84 11.41	NR NR	16.82 11.89	16.86 11.95	17.41 11.60	17.46 11.66	17.02 12.06	16.51 12.54	2
3	16.22 11.94	15.74 11.80	16.66 12.55	16.49 11.33	16.95 11.37	NR NR	16.70 12.04	17.17 11.99	17.63 11.66	17.39 11.69	16.84 12.11	16.47 12.64	3
4	15.80 12.07	15.80 11.75	16.59 12.15	16.77 11.28	17.00 11.38	NR NR	16.66 12.01	17.37 11.77	17.34 11.48	17.28 11.77	16.45 11.99	16.49 12.65	4
5	16.26 12.16	15.85 11.78	16.64 11.85	16.72 11.10	16.82 11.36	NR NR	16.73 11.71	17.35 11.54	17.14 11.39	17.15 12.14	16.15 11.94	16.44 12.52	5
6	16.39 12.48	16.07 11.70	16.75 11.65	16.84 11.17	16.80 12.48	NR NR	16.72 11.44	17.29 11.54	16.92 11.42	16.77 11.90	16.35 12.16	16.75 12.62	6
7	16.31 11.75	16.31 11.64	16.96 11.62	16.91 12.65	17.09 11.61	NR NR	16.79 11.46	17.20 11.67	16.72 11.81	16.37 12.13	16.32 12.41	16.95 12.61	7
8	15.35 11.31	16.46 11.61	17.24 13.18	17.11 11.28	16.80 12.11	NR NR	17.04 11.88	17.45 12.36	16.57 11.99	16.41 12.07	16.51 12.64	17.24 12.42	8
9	16.15 12.07	16.61 12.68	17.18 11.64	16.80 11.48	17.52 12.44	NR NR	17.10 11.82	16.71 11.65	16.64 12.21	16.65 12.44	16.61 12.27	17.54 12.55	9
10	16.23 11.89	16.88 11.87	16.88 11.59	16.30 11.54	17.45 13.05	17.36 13.18	16.25 11.37	16.35 11.85	16.52 12.22	16.61 12.45	16.84 12.01	16.22 12.42	10
11	16.20 12.26	16.58 11.75	16.69 11.21	16.06 11.49	17.63 13.46	17.27 13.11	16.08 11.44	16.35 11.71	15.20 12.30	15.16 12.75	15.31 11.97	17.32 12.04	11
12	16.11 11.79	16.32 11.35	16.26 11.28	16.53 11.75	17.66 13.34	16.72 12.52	15.89 11.54	15.75 12.19	16.65 12.75	16.96 12.42	17.05 11.89	17.37 12.15	12
13	16.17 11.51	16.27 10.95	15.97 11.31	16.57 12.08	18.18 13.67	16.42 12.38	16.03 11.79	16.51 12.46	17.02 12.92	16.93 12.05	17.15 11.64	17.30 12.00	13
14	16.29 11.55	16.13 11.26	16.17 11.43	16.40 11.81	17.80 13.70	16.39 12.44	16.49 12.64	16.68 12.39	17.37 12.28	17.18 11.93	17.25 11.74	17.11 11.97	14
15	16.31 11.57	15.92 11.50	16.39 11.67	16.47 11.67	19.34 16.12	16.54 12.25	16.69 12.15	16.56 12.43	17.19 11.94	17.38 11.83	17.19 11.51	16.83 12.07	15
16	16.47 11.58	15.81 11.33	16.55 11.95	16.73 11.61	22.24A 18.16A	16.64 12.26	16.29 12.17	17.00 12.23	17.33 11.91	17.54 11.84	17.29 11.83	16.89 12.23	16
17	16.56 11.79	15.97 11.55	16.94 12.11	16.88 11.63	23.49A 22.23A	16.58 12.07	16.43 12.22	16.74 11.97	17.43 11.76	17.95 12.32	17.19 11.94	17.56 12.33	17
18	16.76 11.97	16.29 11.71	16.90 11.87	16.91 11.68	23.35 23.00	16.59 12.27	16.42 12.17	16.99 11.87	17.37 11.46	18.11 12.32	16.84 11.77	17.22 12.78	18
19	14.52 12.37	16.53 11.72	17.09 11.77	17.41 12.75	22.74 21.92	17.24 12.74	16.65 12.39	17.05 11.87	17.33 11.38	17.68 12.05	16.64 11.92	17.08 12.29	19
20	16.33 12.09	17.03 12.16	17.12 11.73	17.38 12.13	21.09 19.58	16.73 12.29	16.54 11.51	16.93 11.33	17.33 11.46	17.37 11.79	16.85 12.25	16.85 12.21	20
21	16.35 12.10	16.52 11.31	16.89 11.49	16.77 12.93	19.38 17.70	16.49 12.35	16.43 11.44	16.83 11.16	17.33 11.66	16.89 11.71	17.10 12.74	16.74 12.00	21
22	16.19 11.61	16.54 11.20	16.94 13.02	16.05 10.94	18.26 15.96	16.87 13.29	16.63 11.47	17.01 11.41	17.36 12.27	16.74 12.01	17.59 12.62	16.73 11.93	22
23	16.43 11.62	16.82 12.72	16.69 11.48	16.38 11.15	17.56 14.89	16.55 12.19	16.74 11.63	17.13 11.73	17.22 12.15	17.04 12.32	17.44 12.69	15.89 11.95	23
24	16.58 11.58	17.16 11.51	16.54 11.47	16.06 11.51	17.23 14.39	16.24 12.02	16.96 11.79	16.83 11.43	16.62 11.88	17.29 12.81	17.24 12.42	16.70 12.00	24
25	16.81 12.39	17.26 11.99	16.33 11.47	15.77 11.67	16.81 13.85	16.12 11.81	16.61 11.40	16.45 11.56	16.76 12.04	15.72 12.72	15.87 12.23	16.99 12.44	25
26	16.79 11.75	16.51 11.82	15.87 11.42	15.67 11.65	16.04 12.98	16.23 11.84	16.31 11.34	16.41 11.63	15.55 12.22	17.32 12.39	17.32 12.29	16.82 12.41	26
27	16.76 11.80	16.09 11.59	15.42 11.37	15.66 11.63	NR NR	16.15 11.79	16.37 11.69	16.78 11.97	17.02 12.09	17.47 12.31	17.26 11.88	16.85 12.49	27
28	15.95 11.77	15.85 11.56	15.42 11.29	15.67 11.80	NR NR	16.34 12.07	16.24 11.77	16.01 12.08	17.16 12.06	17.56 12.29	17.05 11.87	16.56 12.37	28
29	15.28 11.02	16.25 11.85	15.56 11.43	15.85 11.77		16.69 12.11	16.38 11.54	16.98 12.52	17.61 12.24	17.71 12.29	17.37 12.25	16.27 12.25	29
30	15.56 11.04	16.44 12.27	15.78 11.63	16.11 11.59		16.34 11.54	16.35 11.67	17.12 12.23	17.52 11.78	17.69 12.17	17.07 12.09	16.26 12.40	30
31	15.84 11.45		15.85 11.87	16.44 11.57		16.26 11.47		17.21 11.76		17.47 11.97	16.98 12.27		31
MAXIMUM	16.81	17.26	17.24	17.41*	NR	NR	17.10	17.45	17.63	18.11	17.59	17.56	MAXIMUM
MINIMUM	11.02	10.95	11.21	10.94	NR	NR	11.34	11.16	11.38	11.66	11.51	11.93	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-17-62	1630	23.49									

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 19 15	121 40 00	SW32 6N 3E		18.4	2/8/42		18-DATE	1918 1918		0.00 -2.92	USED USCOS

Station located on east levee of Liberty Island, approx. 5 mi. N of Prospect Slough, 5.5 mi. W of Courtland.
Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

TABLE 322

DAILY MAXIMUM AND MINIMUM TIDES*

MINER SLOUGH AT FIVE POINTS

in feet

STATION NO	WATER YEAR
891475	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.65 13.45	16.19 13.31	17.33 13.93	16.86 13.63	17.13 13.33	18.41 15.72	17.59 14.68	17.35 14.38	17.88 13.92	17.85 13.67	17.56 13.71	17.36 14.05	1
2	16.42 13.43	16.23 13.27	17.65 14.34	17.01 13.43	17.27 13.30	18.58 15.72	17.79 14.79	17.66 14.36	17.96 13.93	17.89 13.67	17.49 13.87	17.18 14.21	2
3	16.09 13.41	16.16 13.34	17.58 14.80	16.91 13.17	17.36 13.33	18.74 16.14	17.71 14.92	17.92 14.35	18.22 14.02	17.82 13.68	17.35 13.89	17.15 14.22	3
4	16.61 13.59	16.19 13.27	17.64 14.92	17.15 13.20	17.40 14.10	18.83 16.09	17.66 14.87	NR NR	17.98 13.85	17.73 13.70	16.97 13.73	17.19 14.19	4
5	16.46 13.43	16.22 13.36	17.64 14.58	17.09 13.94	17.24 13.35	19.42 16.52	17.71 14.76	NR NR	17.76 13.69	17.62 13.90	16.69 13.69	17.17 14.22	5
6	16.76 13.91	16.41 13.33	17.63 14.24	17.21 13.09	17.21 13.31	19.51 16.80	17.74 14.67	NR NR	17.57 13.69	17.26 13.67	16.81 13.78	17.46 14.25	6
7	16.73 13.53	16.63 13.32	17.77 14.81	17.25 13.18	17.60 13.49	19.44 16.61	17.83 14.75	NR NR	17.35 13.77	16.88 13.69	16.84 13.84	17.67 14.29	7
8	15.87 13.08	16.81 13.86	17.99 14.08	17.46 13.25	17.27 13.96	19.71 17.49	19.10 15.02	NR NR	17.18 13.83	16.87 13.61	17.02 14.02	17.98 14.23	8
9	16.48 13.59	16.94 13.35	17.86 14.00	17.19 13.44	17.99 14.71	20.06 19.17	18.17 15.00	NR NR	17.15 13.87	17.05 13.79	17.10 13.90	18.23 14.40	9
10	16.61 13.84	17.23 13.53	17.55 13.83	16.75 13.40	18.62 15.19	20.17 18.66	17.38 14.73	NR NR	16.25 13.80	15.96 13.82	15.69 13.74	16.97 14.39	10
11	16.54 13.52	16.91 13.49	17.30 13.50	16.46 13.28	20.25 17.81	20.07 18.52	17.21 14.69	NR NR	17.01 13.80	17.05 14.17	17.36 13.79	18.02 14.09	11
12	16.43 13.41	16.63 13.20	16.87 13.40	16.91 13.41	20.82 19.21	19.60 17.93	17.04 14.62	NR NR	17.17 14.22	17.38 14.06	17.58 13.81	18.06 14.13	12
13	16.52 13.22	16.60 12.84	16.60 13.32	16.94 13.61	21.06 19.16	19.03 17.27	17.10 14.69	NR NR	17.52 14.55	17.36 13.78	17.67 13.68	17.98 14.10	13
14	16.67 13.23	16.45 12.99	16.72 13.31	16.77 13.43	20.89 19.46	18.57 16.62	17.46 15.19	NR NR	17.88 14.21	17.63 13.78	17.78 13.78	17.77 14.05	14
15	16.71 13.29	16.29 13.12	16.91 13.41	16.80 13.35	21.79 20.33	18.26 16.01	17.72 14.97	NR NR	17.65 13.92	17.84 13.80	17.59 13.64	17.39 14.01	15
16	16.82 13.28	16.23 13.12	17.01 13.60	17.08 13.37	21.82 20.43	18.14 15.70	17.35 15.01	17.74 14.42	17.85 13.99	18.03 13.86	17.78 13.84	17.41 14.05	16
17	16.91 13.43	16.29 13.15	17.29 13.74	17.22 13.41	21.74 20.39	17.93 15.41	17.53 14.97	17.44 14.18	17.95 13.94	18.38 14.25	17.70 13.91	17.96 14.15	17
18	17.12 13.57	16.52 13.23	17.33 13.64	17.24 13.44	21.80 20.65	17.83 15.31	17.47 14.97	17.71 14.21	17.91 13.77	18.51 14.28	17.37 13.77	17.71 14.58	18
19	16.82 13.96	16.79 13.43	17.50 13.62	17.74 14.33	21.43 20.23	18.31 15.57	17.70 15.04	17.78 14.24	17.88 13.71	18.16 14.03	17.16 13.79	17.40 14.11	19
20	16.95 13.73	17.27 13.75	17.51 13.60	17.82 15.00	21.04 19.97	17.80 15.57	17.49 14.42	17.69 13.86	17.87 13.72	17.82 13.78	17.43 13.97	17.40 14.02	20
21	16.75 13.72	16.85 13.18	17.36 14.40	17.50 14.12	20.63 19.58	17.43 14.97	17.35 14.32	17.55 13.68	17.84 13.80	17.34 13.60	17.65 14.30	17.29 13.82	21
22	16.47 13.31	16.84 13.73	17.72 13.59	16.88 13.78	20.37 19.29	17.85 14.96	17.46 14.20	17.68 13.77	17.91 14.18	17.16 13.78	18.17 14.28	17.27 13.75	22
23	16.70 13.50	17.16 13.10	17.55 14.07	17.18 13.79	20.11 18.95	17.68 14.88	17.58 14.21	17.79 13.93	17.76 14.03	17.42 13.90	18.08 14.43	16.50 13.75	23
24	16.83 13.36	17.53 13.36	17.33 14.02	16.79 13.75	19.81 18.48	17.21 14.74	17.80 14.38	17.53 13.75	17.06 13.62	17.66 14.21	16.55 14.22	17.27 13.85	24
25	17.11 13.36	17.58 13.76	17.05 13.75	16.42 13.60	19.25 17.79	17.11 14.56	17.47 14.15	17.15 13.72	17.17 13.62	16.30 14.31	17.89 14.04	17.54 14.19	25
26	17.17 13.47	16.98 13.63	16.51 13.51	16.23 13.37	18.39 16.93	17.21 14.50	17.19 14.08	17.05 13.71	16.08 13.72	17.71 14.10	17.95 14.16	17.38 14.11	26
27	17.16 13.57	16.68 13.35	15.98 13.24	16.17 13.23	18.12 16.16	17.12 14.37	17.16 14.18	16.80 13.89	17.33 13.82	17.87 14.08	17.90 13.89	17.35 14.14	27
28	16.38 13.58	16.55 13.45	15.94 13.01	16.17 13.23	18.04 15.80	17.26 14.58	17.03 14.19	17.38 13.93	17.52 13.86	17.95 14.09	17.71 13.85	17.08 14.02	28
29	15.78 12.78	16.87 13.59	16.04 12.99	16.33 13.30		17.67 14.69	17.19 14.27	17.54 14.25	18.01 14.07	18.10 14.19	17.93 14.14	16.82 13.90	29
30	16.09 12.77	17.11 13.98	16.21 13.10	16.59 13.25		17.28 14.37	17.20 14.29	17.70 14.22	17.90 13.75	18.11 14.02	17.77 14.02	16.78 13.95	30
31	16.31 13.09		16.31 13.31	16.90 13.31		17.21 14.38		17.80 14.02		17.87 13.85	17.64 14.15		31
MAXIMUM	17.17	17.58	17.99	17.82	21.82	20.17	18.17	NR	18.22	18.51	18.17	18.23	MAXIMUM
MINIMUM	12.77	12.84	12.99	13.09	13.30	14.37	14.08	NR	13.62	13.60	13.64	13.75	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 17 30	121 38 40	SE 9 5N 3E		15.8	2/27/58		NOV 57-DATE	1957 1957		0.00 -3.45	USED USCOS

Station located on West Cut above junction with Miner Slough, approx. 750 ft. N of Five Points Resort.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 323

* DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS AT LINDSEY SLOUGH

in feet

STATION NO	WATER YEAR
891260	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.41 12.10	15.93 12.00	16.95 12.56	16.61 12.19	16.87 11.73	17.26 12.61	16.87 12.06	16.77 12.31	17.47 11.84	17.73 11.92	17.29 12.01	16.90 12.54	1
2	16.19 12.17	16.03 11.97	17.14 12.82	16.72 11.89	17.05 11.66	17.56 12.42	17.08 12.13	17.09 12.21	17.62 11.83	17.69 11.89	17.17 12.24	16.69 12.77	2
3	16.35 12.15	15.95 12.06	16.88 12.79	16.68 11.56	17.17 11.63	17.49 12.16	16.94 12.26	17.35 12.21	17.83 11.89	17.62 11.92	17.00 12.29	16.64 12.85	3
4	15.95 12.27	16.03 12.04	16.85 12.39	16.96 11.53	17.23 11.63	17.51 12.16	16.92 12.27	17.58 12.01	17.56 11.72	17.52 12.02	16.63 12.21	16.64 12.84	4
5	16.38 12.39	16.07 12.05	16.89 12.11	16.90 11.33	17.07 11.63	18.32 13.26	17.01 12.02	17.55 11.81	17.35 11.61	17.37 12.31	16.29 12.18	16.61 12.77	5
6	16.56 12.67	16.26 11.96	16.99 11.88	17.02 11.39	17.03 12.73	18.45 13.11	16.99 11.74	17.51 11.80	17.14 11.71	16.99 12.15	16.46 12.39	16.91 12.81	6
7	16.50 12.70	16.45 11.84	17.19 11.89	17.06 11.50	17.38 11.85	17.79 13.34	17.09 11.75	17.41 11.91	16.93 12.04	16.58 12.31	16.51 12.61	17.11 12.75	7
8	15.63 11.70	16.65 11.84	17.53 13.45	17.30 13.10	17.06 12.33	17.58 12.96	17.33 12.09	17.71 12.49	16.76 12.18	16.62 12.29	16.69 12.82	17.40 12.64	8
9	16.35 12.34	16.79 12.05	17.44 11.92	16.98 11.76	17.78 12.67	17.84 13.23	17.37 12.03	16.93 11.92	16.76 12.32	16.88 12.66	16.79 12.49	17.69 12.77	9
10	16.43 12.15	17.03 13.33	17.12 11.87	16.49 11.84	17.73 13.29	17.61 13.14	16.54 11.67	16.55 12.06	16.69 12.34	16.88 12.71	17.05 12.24	16.37 12.64	10
11	16.39 12.53	16.74 11.95	16.92 11.54	16.22 11.77	17.94 13.70	17.52 13.04	16.31 11.71	16.52 11.92	15.36 12.49	17.16 13.01	15.51 12.23	17.52 12.28	11
12	16.29 12.00	16.51 11.59	16.47 11.57	16.71 12.03	17.96 13.54	16.98 12.44	16.12 11.79	15.92 12.34	16.83 12.94	15.44 12.62	17.26 12.17	17.56 12.37	12
13	16.34 11.74	16.44 11.71	16.18 11.59	16.73 12.35	18.42 13.77	16.62 12.31	16.28 12.06	16.71 12.68	17.17 13.11	17.19 12.28	17.35 11.92	17.46 12.22	13
14	16.46 11.77	16.24 11.44	16.38 11.67	16.59 12.05	18.04 13.60	16.61 12.43	16.71 12.84	16.89 12.62	17.57 12.57	17.45 12.21	17.49 12.01	17.28 12.21	14
15	16.51 11.83	16.04 11.69	16.62 11.92	16.65 11.89	19.04 14.67	16.76 12.32	16.92 12.36	16.76 12.69	17.39 12.19	17.65 12.07	17.43 11.79	17.02 12.29	15
16	16.65 11.83	16.01 11.59	16.75 12.21	16.88 11.85	18.77 14.83	16.89 12.39	16.55 12.40	17.23 12.52	17.50 12.12	17.81 12.11	17.53 12.09	17.09 12.46	16
17	16.73 12.02	16.13 11.77	17.11 12.20	17.06 11.85	18.73 15.03	16.83 12.25	16.67 12.43	16.94 12.19	17.64 12.00	18.23 12.58	17.40 12.17	17.63 12.57	17
18	16.84 12.14	16.39 11.93	17.08 12.06	17.07 11.88	19.06 15.07	16.85 12.48	16.68 12.45	17.19 12.12	17.58 11.75	18.31 12.54	17.10 12.08	17.37 12.97	18
19	16.49 12.53	16.69 11.99	17.24 11.95	17.52 12.95	18.71 15.80	17.42 12.95	16.92 12.59	17.23 12.14	17.59 11.68	17.93 12.27	16.83 12.19	17.19 12.52	19
20	16.65 12.28	17.15 12.38	17.25 11.90	17.55 12.38	18.32 14.84	16.93 12.51	16.79 11.82	17.16 11.63	17.54 11.72	17.62 12.02	17.06 12.50	17.04 12.42	20
21	16.53 12.32	16.68 11.54	17.07 11.71	16.95 13.25	17.74 14.23	16.69 12.57	16.67 11.74	17.06 11.44	17.57 11.89	17.14 11.96	17.27 12.94	16.92 12.24	21
22	16.35 11.94	16.69 11.45	17.12 11.73	16.31 11.40	17.43 13.90	17.10 13.12	16.84 11.74	17.25 11.65	17.58 12.49	16.96 12.24	17.74 12.83	16.94 12.15	22
23	16.61 11.85	17.00 12.93	16.89 13.33	16.58 11.49	17.33 13.73	16.76 12.42	16.99 11.89	17.29 11.87	17.36 12.34	17.24 12.54	17.60 12.89	16.09 12.19	23
24	16.76 11.83	17.33 11.75	16.73 11.73	16.27 11.77	17.29 13.87	16.46 12.21	17.19 12.02	17.05 11.66	16.80 12.10	17.47 13.01	17.43 12.64	16.91 12.24	24
25	16.99 12.68	17.41 12.24	16.54 11.73	15.98 11.93	16.98 13.73	16.37 12.04	16.81 11.64	16.68 11.76	16.92 12.20	17.56 12.95	16.07 12.45	17.16 12.68	25
26	17.00 12.01	16.69 12.05	16.03 11.67	15.86 11.90	16.26 12.95	16.45 12.07	16.52 11.58	16.61 11.82	17.20 12.38	15.89 12.65	17.51 12.52	17.05 12.66	26
27	16.95 12.05	16.25 11.80	15.59 11.58	15.83 11.87	16.33 12.73	16.37 12.02	16.47 11.90	16.94 12.12	15.65 12.32	17.75 12.54	17.45 12.13	16.99 12.70	27
28	16.15 12.05	16.04 11.80	15.58 11.50	15.86 12.05	16.63 12.76	16.59 12.29	16.44 11.97	16.20 12.28	17.35 12.29	17.77 12.52	17.26 12.13	16.75 12.61	28
29	15.49 11.90	16.44 12.04	15.73 11.64	16.07 11.99		16.91 12.28	16.59 11.77	17.16 12.67	17.75 12.39	17.95 12.51	17.49 12.46	16.48 12.54	29
30	15.80 11.93	16.64 12.54	15.94 11.84	16.33 11.83		16.57 11.77	16.55 11.89	17.34 12.44	17.74 12.03	17.92 12.37	17.26 12.34	16.49 12.67	30
31	16.00 11.73		16.05 12.08	16.65 11.81		16.50 11.72		17.42 12.01		17.69 12.18	17.17 12.54		31
MAXIMUM	17.00	17.41	17.53	17.55	19.06	18.45	17.37	17.71	17.83	16.31	17.74	17.69	MAXIMUM
MINIMUM	11.30	11.21	11.50	11.33	11.63	11.72	11.58	11.44	11.61	11.89	11.79	12.15	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		OATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF OATUM
			C.F.S	GAGE HT.	OATE			FROM	TO		
38 14 45	121 42 26	SW24 5N 2E		16.1	2/8/42		JAN 42-DATE	1942 1942		0.00 -2.92	USED USCOS

Station located at California Parking Corporation Headquarters, 6.2 mi. N of Rio Vista. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 324

• DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT RIO VISTA

STATION NO	WATER YEAR
B91210	1962

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.41 12.34	15.93 12.24	16.88 12.72	16.63 12.49	16.94 13.07	17.22 12.83	16.96 12.31	16.76 12.50	17.46 12.15	17.83 12.31	17.40 12.39	17.00 12.88	1
2	16.26 12.38	16.03 12.23	17.09 13.07	16.74 12.19	17.12 11.98	17.57 12.68	17.15 12.39	17.09 12.50	17.62 12.14	17.80 12.27	17.27 12.57	16.82 13.12	2
3	16.42 12.41	15.94 12.32	16.88 13.03	16.73 11.87	17.21 11.94	17.42 12.34	17.05 12.59	17.43 12.50	17.83 12.24	17.68 12.29	17.08 12.63	16.72 13.16	3
4	16.41 12.55	16.04 12.27	16.82 12.63	16.97 11.81	17.25 11.94	17.47 12.37	16.97 12.52	17.60 12.35	17.61 12.04	17.61 12.35	16.71 12.50	16.69 13.15	4
5	16.12 12.65	16.06 12.29	16.89 12.35	16.93 11.64	17.14 11.93	18.06 13.40	17.09 12.35	17.59 12.15	17.40 11.95	17.46 12.70	16.36 12.45	16.68 13.07	5
6	16.55 12.89	16.27 12.23	16.98 12.15	17.06 11.72	17.04 12.98	18.41 13.29	17.07 12.06	17.55 12.13	17.20 12.00	17.04 12.50	16.50 12.66	17.02 13.09	6
7	16.56 12.64	16.47 12.11	17.17 12.17	17.13 11.82	17.31 12.15	17.69 13.11	17.17 12.09	17.44 12.23	16.96 12.33	16.63 12.62	16.53 12.88	17.23 13.07	7
8	15.78 12.16	16.64 12.11	17.42 12.27	17.29 13.42	16.95 12.63	17.54 13.41	17.45 12.40	17.75 12.83	16.80 12.50	16.66 12.59	16.75 13.11	17.54 12.94	8
9	16.34 12.57	16.83 12.31	17.37 13.79	17.03 12.01	17.47 12.84	17.85 13.35	17.47 12.31	16.97 12.19	15.82 12.65	16.90 12.89	16.83 12.78	17.75 13.07	9
10	16.44 12.40	17.00 13.57	17.09 12.22	16.51 12.09	17.61 13.45	17.59 13.24	16.64 11.95	16.57 12.30	16.73 12.62	16.87 13.00	17.10 12.57	17.64 12.96	10
11	16.42 12.29	16.78 12.21	16.88 11.93	16.20 12.04	17.86 13.85	17.47 13.09	16.39 11.95	16.51 12.18	16.88 12.75	17.19 13.28	17.34 12.53	16.49 12.64	11
12	16.35 12.83	16.55 11.87	16.45 11.90	16.69 12.29	17.87 13.65	16.94 12.51	16.21 12.04	16.67 12.55	17.24 13.21	17.21 12.95	15.80 12.44	17.68 12.71	12
13	16.40 12.09	16.43 11.54	16.19 11.90	16.73 12.59	18.27 13.82	16.61 12.40	16.37 12.35	15.90 12.87	16.22 13.38	15.64 12.63	17.46 12.27	17.62 12.64	13
14	16.53 12.09	16.20 11.72	16.34 12.03	16.59 12.30	17.89 13.60	16.58 12.57	16.81 13.10	16.90 12.87	17.62 12.88	17.49 12.56	17.56 12.35	17.41 12.64	14
15	16.54 12.13	16.17 11.94	16.56 12.26	16.68 12.17	18.81 14.43	16.75 12.47	17.00 12.67	16.76 12.94	17.47 12.52	17.74 12.46	17.52 12.15	17.18 12.69	15
16	16.67 12.15	16.03 11.94	16.69 12.54	16.93 12.17	18.40 14.19	16.90 12.56	16.64 12.67	17.19 12.87	17.62 12.50	17.90 12.50	17.61 12.43	17.24 12.85	16
17	16.77 12.36	16.11 12.05	16.94 12.63	17.09 12.15	18.18 14.14	16.83 12.47	16.79 12.72	16.97 12.53	17.70 12.38	18.30 12.92	17.49 12.49	17.75 12.96	17
18	16.88 12.47	16.39 12.20	17.00 12.40	17.08 12.16	18.43 14.28	16.96 12.72	16.77 12.76	17.25 12.40	17.65 12.08	18.38 12.91	17.19 12.42	17.52 13.34	18
19	16.74 12.80	16.69 12.34	17.17 12.29	17.52 13.09	18.28 14.31	17.48 13.18	16.97 12.90	17.26 12.40	17.66 12.06	17.98 12.62	16.90 12.52	17.34 12.89	19
20	16.54 12.64	17.15 12.64	17.17 12.27	17.58 12.63	17.99 13.93	17.02 12.81	16.87 12.17	17.21 11.93	17.65 12.08	17.72 12.42	17.12 12.80	17.20 12.81	20
21	16.59 12.60	16.66 11.94	17.06 12.04	17.01 11.84	17.49 13.78	16.78 12.85	16.78 12.07	17.14 11.80	17.64 12.26	17.25 12.36	17.40 13.23	17.05 12.63	21
22	16.35 12.28	16.66 11.70	17.07 12.07	16.42 13.14	17.23 14.35	17.13 13.37	16.93 12.04	17.29 11.98	17.65 12.80	17.00 12.62	17.80 13.18	17.02 12.55	22
23	16.63 12.19	17.01 12.01	16.87 12.06	16.62 11.80	17.20 13.67	16.79 12.73	17.07 12.18	17.33 12.15	17.42 12.62	17.28 12.88	17.76 13.18	16.21 12.54	23
24	16.75 12.17	17.34 13.77	16.71 13.74	16.34 12.06	17.22 13.91	16.49 12.50	17.23 12.30	17.07 11.90	16.84 12.35	17.53 13.28	17.52 12.98	17.03 12.67	24
25	17.03 12.33	17.26 12.49	16.50 12.05	15.98 12.20	16.94 13.87	16.43 12.29	16.94 11.95	16.68 11.99	16.98 12.48	17.62 13.26	16.25 12.81	17.28 13.00	25
26	17.01 13.33	16.65 12.30	16.05 12.02	15.86 12.18	16.36 13.13	16.53 12.31	16.58 11.82	16.62 12.06	17.22 12.70	17.77 13.00	17.63 12.89	17.12 12.95	26
27	16.96 13.33	16.24 12.07	15.53 11.82	15.84 12.15	16.33 12.87	16.47 12.28	16.56 12.14	16.93 12.35	17.40 12.69	16.18 13.87	17.63 12.55	17.08 13.01	27
28	16.19 12.33	16.03 12.04	15.56 11.74	15.88 12.27	16.60 12.90	16.67 12.55	16.49 12.21	17.10 12.48	16.12 12.64	17.85 12.92	17.39 12.52	16.82 12.92	28
29	15.59 11.70	16.38 12.23	15.71 11.86	16.12 12.28		16.93 12.56	16.62 12.03	16.15 12.84	17.85 12.73	17.99 12.80	17.60 12.84	16.60 12.84	29
30	15.83 11.62	16.62 12.74	15.91 12.07	16.37 12.12		16.64 12.05	16.57 12.14	17.29 12.69	17.81 12.40	17.95 12.71	17.40 12.72	16.59 12.82	30
31	14.02 11.98		16.03 12.33	16.72 12.12		16.54 11.98		17.39 12.32		17.75 12.52	17.29 12.89		31
MAXIMUM	17.03	17.34	17.42	17.58	18.81	18.41	17.47	17.75	17.85	18.38	17.80	17.75	MAXIMUM
MINIMUM	11.42	11.54	11.74	11.64	11.93	11.98	11.82	11.80	11.95	12.27	12.15	12.54	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

• In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 08 42	121 41 30	SW31 4N 3E		11.2	12/26/55		25-DATE	1925 1961 1961		0.00 -0.57 -3.63	USED USED USCOS

Station located on dock at U. S. Engineers Transportation Depot, 1.1 mi. below the Rio Vista bridge. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 325

DAILY MAXIMUM AND MINIMUM TIDES

THREEMILE SLOUGH AT SACRAMENTO RIVER

in feet

STATION NO	WATER YEAR
891160	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.79 8.82	12.31 8.69	13.25 9.18	12.97 8.98	13.33 8.57	13.57 9.27	13.20 8.74	13.05 8.98	13.74 8.62	14.07 8.75	13.69 8.87	13.29 9.36	1
2	12.64 8.81	12.36 8.66	13.45 9.55	13.10 8.70	13.51 8.50	13.87 9.09	13.36 8.83	13.36 8.98	13.86 8.60	14.03 8.70	13.58 9.07	13.13 9.59	2
3	12.82 8.67	12.31 8.75	13.25 9.50	13.08 8.40	13.59 8.43	13.76 8.79	13.27 9.00	13.63 8.99	14.10 8.70	13.91 8.74	13.40 9.07	13.02 9.61	3
4	12.41 9.00	12.41 8.72	13.20 9.09	13.31 8.32	13.63 8.43	13.81 8.84	13.28 8.98	13.84 8.84	13.88 8.53	13.84 8.81	13.00 8.97	13.00 9.62	4
5	12.42 9.12	12.43 8.76	13.23 8.80	13.28 8.13	13.49 8.41	14.34 9.84	13.31 8.80	13.83 8.63	13.68 8.45	13.71 9.09	12.65 8.92	13.01 9.54	5
6	12.93 9.37	12.63 8.68	13.32 8.68	13.41 8.21	13.42 8.64	14.66 9.71	13.30 8.52	13.80 8.63	13.47 8.53	13.30 8.92	12.79 9.07	13.29 9.56	6
7	12.93 9.22	12.85 8.63	13.52 8.70	13.47 8.30	13.71 10.09	13.96 9.53	13.37 8.52	13.73 8.69	13.28 8.82	12.91 9.05	12.87 9.33	13.50 9.51	7
8	12.23 8.74	13.04 8.63	13.84 8.80	13.65 9.90	13.36 9.15	13.79 9.84	13.62 8.81	14.03 9.26	13.10 8.97	12.95 9.05	13.06 9.55	13.81 9.37	8
9	12.71 9.05	13.21 8.80	13.80 10.31	13.38 8.53	13.86 9.33	14.11 9.79	13.67 8.74	13.28 8.67	13.10 9.06	13.20 9.33	13.18 9.24	14.03 9.52	9
10	12.80 8.86	13.47 10.06	13.57 8.71	12.88 8.60	14.05 9.95	13.84 9.66	12.91 8.38	12.88 8.78	13.00 9.06	13.18 9.44	13.41 9.03	12.79 9.38	10
11	12.78 8.74	13.17 8.71	13.31 8.45	12.59 8.51	14.30 10.34	13.73 9.50	12.66 8.37	12.83 8.66	13.14 9.18	13.44 9.71	13.65 8.99	13.87 9.07	11
12	12.73 9.27	12.95 8.36	12.88 8.37	13.02 8.74	14.28 10.13	13.25 8.98	12.52 8.47	12.23 9.01	13.47 9.64	13.51 9.37	12.14 8.95	13.89 9.14	12
13	12.76 8.54	12.80 8.07	12.61 8.36	13.09 9.07	14.73 10.29	12.92 8.85	12.62 8.77	12.98 9.32	12.46 9.79	11.96 9.09	13.74 8.72	13.79 9.06	13
14	12.88 8.53	12.62 8.25	12.76 8.51	12.97 8.81	14.38 10.11	12.89 9.01	13.01 9.45	13.21 9.34	13.87 9.34	13.78 9.02	13.87 8.84	13.65 9.06	14
15	12.89 8.55	12.59 8.46	12.99 8.75	13.04 8.68	15.19 10.89	13.04 8.90	13.23 9.07	13.07 9.42	13.71 8.97	14.01 8.95	13.84 8.69	13.41 9.16	15
16	13.00 8.56	12.46 8.52	13.13 9.02	13.28 8.67	14.79 10.62	13.16 9.02	12.89 9.09	13.45 9.34	13.84 8.92	14.21 8.96	13.91 8.94	13.45 9.25	16
17	13.10 8.79	12.51 8.54	13.36 9.13	13.43 8.61	14.54 10.55	13.12 8.91	13.02 9.14	13.27 8.99	13.98 8.86	14.56 9.35	13.83 8.99	13.97 9.35	17
18	13.23 8.90	12.74 8.65	13.44 8.90	13.39 8.65	14.82 10.70	13.26 9.15	13.01 9.19	13.51 8.88	13.92 8.58	14.64 9.35	13.53 8.97	13.72 9.78	18
19	13.09 9.20	13.04 8.82	13.60 8.79	13.81 9.49	14.65 10.72	13.64 9.59	13.21 9.32	13.55 8.87	13.89 8.49	14.27 9.12	13.27 9.05	13.60 9.31	19
20	12.95 9.08	13.51 9.13	13.62 8.76	13.92 9.14	14.34 10.37	13.24 9.23	13.16 8.64	13.49 8.44	13.88 8.55	13.97 8.88	13.45 9.35	13.45 9.22	20
21	12.96 9.06	13.02 8.30	13.51 8.55	13.42 8.53	13.82 10.19	13.00 9.30	13.06 8.54	13.36 8.28	13.88 8.68	13.49 8.80	13.73 9.75	13.32 9.05	21
22	12.72 8.73	13.05 8.20	13.50 8.55	12.84 9.73	13.55 10.10	13.36 9.81	13.22 8.51	13.52 8.44	13.88 9.22	13.26 9.02	14.12 9.69	13.30 8.96	22
23	12.97 8.66	13.37 8.51	13.30 10.13	12.94 8.34	13.54 10.74	13.06 9.15	13.32 8.64	13.55 8.61	13.65 9.05	13.52 9.27	14.01 9.69	13.30 8.97	23
24	13.11 8.61	13.71 10.25	13.13 8.51	12.69 8.53	13.56 10.31	12.75 8.90	13.47 8.73	13.34 8.37	13.08 8.78	13.73 9.67	13.83 9.44	12.75 9.08	24
25	13.36 8.77	13.65 8.96	12.95 8.49	12.36 8.68	13.30 10.34	12.70 8.72	13.23 8.37	13.01 8.47	13.23 8.88	13.84 9.67	12.58 9.31	13.52 9.39	25
26	13.38 9.76	13.04 8.80	12.45 8.47	12.26 8.67	12.84 9.61	12.80 8.77	12.86 8.29	12.90 8.53	13.45 9.11	14.02 9.42	13.89 9.39	13.37 9.40	26
27	13.29 8.74	12.65 8.55	11.94 8.35	12.24 8.65	12.71 9.31	12.77 8.72	12.85 8.59	13.24 8.82	12.03 9.10	12.48 9.32	13.88 9.03	13.32 9.43	27
28	12.55 8.76	12.43 8.52	11.95 8.26	12.25 8.75	12.98 9.34	12.96 8.96	12.80 8.66	12.48 8.92	13.64 9.06	14.12 9.27	13.65 8.99	13.14 9.38	28
29	11.96 8.19	12.76 8.69	12.11 8.39	12.47 8.75		13.22 8.94	12.90 8.48	13.37 9.30	14.04 9.10	14.23 9.27	13.85 9.32	12.89 9.29	29
30	12.21 8.09	12.99 9.21	12.26 8.56	12.75 8.59		12.89 8.47	12.88 8.64	13.57 9.15	14.03 8.86	14.20 9.17	13.66 9.20	12.87 9.25	30
31	12.37 8.42		12.38 8.62	13.09 8.60		12.80 8.42		13.65 8.82		13.98 8.99	13.56 9.39		31
MAXIMUM	13.38	13.71	13.84	13.92	15.19	14.66	13.67	14.03	14.10	14.64	14.12	14.03	MAXIMUM
MINIMUM	8.09	8.07	8.26	8.13	8.41	8.42	8.29	8.28	8.45	8.70	8.69	8.96	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.8 R M 0.8 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 06 18	121 41 57	SE13 3N 2E		6.7	12/26/55		APR 29-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCOS
								1959		-10.00	USCOS
								1959		-6.78	USED

Station located on Sherman Island, 0.1 mi. E of State Highway 24 bridge, 3.6 mi. S of Rio Vista.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.
Maximum gage ht. listed at datum then in use.

TABLE 326

* DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

STATION NO	WATER YEAR
B95820	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12:51 9.98	12:26 10.02	12:57 10.12	12:33 10.04	12:96 10.32	15.74 15.17	14.02 12.66	12:83 11.26	13:40 11.12	13:64 11.18	13:04 10.22	NR NR	1
2	12:38 9.92	12:05 9.94	13:11 10.58	12:64 10.30	13:03 10.39	15:61 14.89	13.95 12.81	12.94 11.14	13.46 11.12	13:65 11.12	12:96 10.30	NR NR	2
3	12:26 9.96	11.99 10.03	12:98 10.69	12:62 10.21	13:09 10.44	15:06 14.23	13.76 12.55	13:13 11.17	14:11 11.84	13:51 10.92	12:80 10.35	NR NR	3
4	12:35 10.06	11:99 9.97	12:82 10.64	12:71 10.13	13:11 10.49	14.87 13.96	13:55 12.19	13:36 11.14	14:62 13.22	13:48 10.87	12:51 10.19	NR NR	4
5	12:33 10.19	11.98 10.06	12:84 10.60	12:67 10.13	12.97 10.50	14.93 13.84	13.28 11.71	13:34 11.07	14.68 13.57	13:36 10.82	12:27 10.17	NR NR	5
6	12:45 10.38	12:18 10.14	12:93 10.53	12:76 10.09	12:82 10.47	15:39 14.07	13.14 11.43	13:44 11.27	14:90 13.99	13:01 10.59	12:29 10.18	12:79 10.50	6
7	12:42 10.59	12:40 10.19	13:07 10.53	12:83 10.18	13:03 10.43	15:54 14.29	13:17 11.33	13:65 11.69	14:78 13.48	12:66 10.44	12:44 10.16	13:09 10.61	7
8	12:28 10.37	12:55 10.23	13:41 10.60	13:03 10.26	13:00 10.72	16:38 15.13	13:55 11.44	14:18 12.27	14:12 12.65	12:52 10.29	12:50 10.34	13:35 10.63	8
9	12:17 10.14	12:75 10.28	13:38 10.75	12:86 10.45	12:87 10.66	16:91 16.04	13:72 11.34	13:72 12.06	13:68 12.59	12:55 10.34	12:52 10.11	13:65 10.89	9
10	12:25 10.24	13:07 10.41	13:25 10.65	12:58 10.45	13:73 11.77	17.72 17.10	13:12 11.02	13:84 12.93	13:94 13.08	12:72 10.26	12:67 10.05	13:88 11.05	10
11	12:22 10.16	12:87 10.47	13:00 10.54	12:29 10.44	14.18 11.69	18.02 17.59	12.80 10.79	14.14 13.54	14:06 13.02	12:67 10.46	12:92 10.13	13:59 10.86	11
12	12:23 10.07	12:68 10.21	12:65 10.34	12:64 10.35	14.46 12.49	17.66 17.28	12.66 10.74	14.46 13.65	14.15 13.39	12.87 10.36	13.11 10.22	13.44 10.82	12
13	12:23 9.93	12:48 10.03	12:23 10.22	12:86 10.47	15:08 13.02	16.75 16.48	12.70 11.39	14.63 14.03	14.66 13.89	12.92 10.25	13.18 10.21	13:31 10.72	13
14	12:44 9.89	11.75 9.93	12:43 10.20	12:63 10.33	15:13 13.73	16.26 15.98	13.20 10.87	14.49 13.59	14.95 13.80	13.13 10.39	13.22 10.25	13.13 10.69	14
15	12:57 9.99	12:30 9.94	12:53 10.23	12.70 10.29	16.22 13.85	16.08 15.71	13.03 11.24	14.10 13.15	14.66 13.37	13.31 10.48	13.07 10.13	12.99 10.69	15
16	11.87 10.04	12:58 10.24	12:59 10.28	12.90 10.34	16.77 14.92	15.81 15.48	12.55 10.80	14.10 12.70	14.57 12.99	13.54 10.64	12.96 10.27	13.05 10.72	16
17	12.71 10.17	12.04 9.95	12.62 10.16	13.07 10.43	17.91 16.41	15.85 15.38	12.55 10.64	13.53 12.05	14.39 12.61	13.83 10.84	12.98 10.36	13.63 10.79	17
18	12.76 10.24	12.14 9.94	12.84 10.47	12.97 10.48	18.54 17.56	15.59 15.20	12.48 10.54	13.52 11.75	14.24 12.32	14.00 10.92	12.75 10.27	12.90 11.13	18
19	12.92 10.62	12.40 10.15	12.96 10.42	12.77 10.38	18.90 18.21	15.57 14.87	12.84 10.77	13.44 11.59	13.95 11.79	13.62 10.65	12.57 10.29	13.40 10.75	19
20	12.74 10.47	12.93 10.40	13.04 10.45	13.67 10.73	19.10 18.52	15.30 14.72	12.94 10.99	13.46 11.40	13.83 11.86	13.30 10.45	12.54 10.38	13.32 10.64	20
21	12.44 10.49	12.58 10.63	13.09 10.48	13.25 11.03	19.22 18.78	14.94 14.30	12.86 11.03	13.35 11.33	14.15 12.37	12.87 10.29	NR NR	13.22 10.52	21
22	12.11 10.19	12.45 10.16	13.00 10.40	12.90 10.85	19.11 18.85	14.96 14.09	13.15 11.31	13.37 11.29	14.37 12.74	12.65 10.33	NR NR	13.16 10.50	22
23	12.31 10.17	12.79 10.10	12.86 10.38	12.87 10.74	18.85 18.49	14.71 13.89	13.35 11.38	13.61 11.46	14.21 12.69	12.63 10.37	NR NR	13.15 10.57	23
24	12.46 10.24	13.18 10.30	12.78 10.29	12.63 10.73	18.39 17.91	14.46 13.71	13.61 11.34	13.40 11.35	13.79 12.53	12.83 10.42	NR NR	13.16 10.72	24
25	12.69 10.24	13.13 10.53	12.69 10.25	12.31 10.56	18.00 17.54	14.32 13.53	13.30 11.09	13.15 11.32	13.74 12.18	12.99 10.48	NR NR	13.35 11.00	25
26	12.89 10.40	12.83 10.47	12.29 10.19	12.17 10.30	17.58 17.28	14.30 13.39	13.02 10.93	12.95 11.36	13.58 11.85	13.10 10.35	NR NR	13.18 10.94	26
27	12.88 10.39	12.51 10.24	11.73 9.93	12.13 10.12	16.69 16.32	14.29 13.30	12.98 11.01	12.99 11.53	13.47 11.62	13.26 10.37	NR NR	13.09 10.92	27
28	12.46 10.39	12.04 10.13	11.71 9.69	12.14 10.00	15.84 15.48	14.38 13.28	13.07 11.24	13.18 11.45	13.45 11.54	13.37 10.42	NR NR	12.91 10.87	28
29	11.87 10.04	12.36 10.14	11.79 9.63	12.33 10.04		14.44 13.67	12.86 11.66	13.23 11.44	13.73 11.48	13.51 10.59	NR NR	12.76 10.89	29
30	12.01 9.77	12.64 10.33	11.87 9.67	12.53 10.23		14.07 13.10	12.74 11.22	13.26 11.34	13.64 11.26	13.58 10.57	NR NR	12.73 10.76	30
31	12.11 9.81		12.01 9.73	12.80 10.20		13.81 12.83		13.24 11.18		13.29 10.32	NR NR		31
MAXIMUM	13.92	13.18	13.41	13.67	19.22	18.02	14.02	14.63	14.95	14.00	NR	NR	MAXIMUM
MINIMUM	9.77	9.93	9.63	10.00	10.32	12.83	10.54	11.07	11.12	10.25	NR	NR	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	I/4 SEC. T.&R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 12	121 18 21	SW 3 2S 6E		24.4	12/10/50		20-DATE	1920 1943 1943	1943	5.16 0.00 3.27	USED USCOS USED

Station located below U. S. Highway 50 bridge, 3.0 mi. SW of Lathrop. Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

TABLE 327

* DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT BRANDT BRIDGE

STATION NO	WATER YEAR
B95740	1962

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.21 13.59	16.59 13.57	17.05 13.67	16.91 13.80	17.37 14.60	18.24 15.97	17.66 15.19	17.03 14.20	17.73 14.12	18.00 14.19	17.58 13.86	17.25 14.25	1
2	16.83 13.57	16.49 13.51	17.51 14.26	17.04 14.08	17.43 13.72	18.54 15.75	17.65 14.77	17.27 14.23	17.79 14.13	18.05 14.11	17.48 13.99	17.16 14.39	2
3	16.73 13.63	16.48 13.63	17.35 14.37	17.02 13.64	17.48 13.77	18.27 16.00	17.60 14.74	17.49 14.34	18.24 14.63	17.93 14.08	17.31 14.09	17.09 14.34	3
4	16.81 13.78	16.44 13.50	17.26 14.36	17.16 13.49	17.51 13.81	18.10 15.47	17.41 14.69	17.72 14.29	18.37 14.79	17.89 14.12	17.04 13.86	17.09 14.29	4
5	16.82 13.91	16.41 13.65	17.19 14.14	17.14 13.45	17.37 13.84	18.40 15.39	17.33 14.45	17.69 14.12	18.18 14.80	17.78 14.22	16.72 13.79	17.13 14.29	5
6	16.96 14.13	16.57 13.67	17.24 13.85	17.23 13.36	17.17 13.78	19.02 15.91	17.22 14.16	17.74 14.18	18.08 15.05	17.42 13.97	16.35 13.84	17.44 14.21	6
7	17.00 14.29	16.79 13.65	17.40 13.79	17.24 13.46	17.38 13.79	18.49 16.21	17.30 14.11	17.85 14.40	17.96 14.99	17.07 13.94	16.92 14.03	16.43 14.22	7
8	16.59 14.04	16.96 13.68	17.70 13.90	17.48 13.54	17.28 14.26	18.49 16.59	17.67 14.38	18.27 14.88	17.66 14.64	16.97 13.84	16.98E 14.19E	17.67 14.24	8
9	16.65 13.80	17.14 13.71	17.71 14.07	17.26 13.79	17.51 14.17	18.90 16.84	17.84 14.30	17.66 14.33	17.46 14.57	17.02 14.03	17.18E 14.25E	17.98 14.48	9
10	16.75 13.89	17.48 13.90	17.55 13.91	16.91 13.78	18.04 15.01	19.06 17.42	17.21 13.80	17.48 14.64	17.57 14.61	17.15 14.05	17.22E 13.81E	18.19 14.54	10
11	16.70 13.79	17.22 13.88	17.29 13.76	16.63 13.64	18.40 15.49	19.12 17.57	16.94 13.56	17.40 14.73	17.50 14.67	17.17 14.24	17.43E 13.87E	17.92 14.27	11
12	16.68 13.68	17.05 13.54	16.95 13.62	16.96 13.74	18.46 15.92	18.71 16.86	16.76 13.62	17.48 14.98	17.61 15.15	17.36 14.04	17.59E 13.89E	17.84 14.29	12
13	16.72 13.48	16.87 13.32	16.72 13.49	17.17 13.94	18.81 16.36	18.25 16.30	16.85 13.88	17.57 15.14	17.97 15.43	17.47 13.91	17.69E 13.83E	17.73 14.32	13
14	16.92 13.43	16.72 13.29	16.75 13.50	16.94 13.79	18.81 16.37	17.90 16.13	17.34 14.55	17.75 14.93	18.32 15.23	17.69 13.94	17.77E 13.96E	17.51 14.30	14
15	17.00 13.54	16.48 13.36	16.88 13.60	17.03 13.71	19.73 17.64	17.98 16.00	17.29 14.13	17.60 15.00	18.12 14.88	17.88 14.02	17.69E 13.86E	17.38 14.31	15
16	17.08 13.50	16.91 13.75	16.98 13.75	17.25 13.79	19.55 17.28	17.99 16.51	16.85 14.40	17.93 14.73	18.25 14.81	18.09 14.09	NR NR	17.44 14.39	16
17	16.48 13.68	NR NR	17.05 13.67	17.42 14.49	19.80 17.75	17.90 15.99	16.93 14.11	17.53 14.44	18.28 14.64	18.41 14.47	NR NR	18.03 14.43	17
18	17.15 13.76	NR NR	17.29 14.16	17.32 13.80	20.04 18.28	17.93 15.91	16.87 14.04	17.67 14.32	18.20 14.42	18.55 14.57	NR NR	17.77 14.44	18
19	17.32 14.23	NR NR	17.42 13.87	17.28 13.72	20.26 18.66	18.21 15.80	17.15 14.34	17.69 14.34	18.07 14.20	18.21 14.27	NR NR	17.69 14.37	19
20	17.15 14.03	NR NR	17.52 13.87	17.94 14.37	20.14 18.90	17.78 15.99	17.19 14.07	17.70 14.13	18.03 14.19	17.84 14.02	NR NR	16.67 14.24	20
21	16.85 14.12	17.02 14.25	17.46 13.84	17.52 14.43	19.89 18.66	17.63 15.66	17.08 13.88	17.58 13.97	18.18 14.49	17.40 13.86	NR NR	17.61 14.08	21
22	16.64 13.72	16.88 13.46	17.38 13.76	17.08 14.18	19.63 18.65	18.02 15.53	17.29 13.99	17.67 14.00	18.33 15.00	17.18 14.04	17.57 14.36	17.49 14.04	22
23	16.78 13.72	17.24 13.41	17.24 13.72	17.12 13.80	19.51 18.36	17.65 15.37	17.47 14.12	17.83 14.18	18.08 14.78	17.19 14.12	17.89 14.47	17.48 14.09	23
24	16.93 13.74	17.59 13.68	17.16 13.83	16.86 13.79	19.37 18.10	17.32 15.17	17.75 14.25	17.66 13.96	17.57 14.47	17.41 14.38	17.89 14.29	17.46 14.22	24
25	17.19 13.71	17.52 13.96	17.01 13.56	16.55 13.78	19.00 17.74	17.22 14.91	17.45 13.85	17.29 13.93	17.51 14.41	17.64 14.41	17.73 14.16	17.69 14.43	25
26	17.33 13.97	17.16 13.91	16.59 13.54	16.43 13.61	18.76 17.14	17.39 14.87	17.15 13.73	17.06 13.93	17.57 14.33	17.74 14.22	17.78 14.29	17.53 14.41	26
27	17.36 13.89	16.80 13.57	16.00 13.23	16.39 13.43	18.20 16.27	17.39 14.79	17.13 13.79	17.12 14.22	17.60 14.37	17.89 14.20	17.74 14.09	17.39 14.44	27
28	16.80 13.92	16.62 13.49	16.02 12.96	16.41 13.44	17.93 15.98	17.61 14.93	17.20 14.05	17.43 14.20	17.71 14.31	18.02 14.25	17.51 13.98	17.22 14.37	28
29	16.28 13.45	16.73 13.53	16.14 13.00	16.61 13.61		17.86 14.89	17.05 13.89	17.44 14.44	18.08 14.45	18.14 14.34	17.69 14.28	17.04 14.33	29
30	16.43 13.09	16.99 13.88	16.24 13.16	16.84 13.58		17.45 14.55	16.90 14.04	17.55 14.39	18.01 14.27	18.16 14.26	17.52 14.21	17.03 14.28	30
31	16.33 13.29		16.38 13.26	17.12 13.65		17.30 14.45		17.59 14.17		17.88 14.04	17.46 14.29		31
MAXIMUM	17.36	NR	17.71	17.94	20.26	19.12	17.84	18.27	18.37	18.55	NR	18.19	MAXIMUM
MINIMUM	13.09	NR	12.96	13.36	13.72	14.45	13.56	13.93	14.12	13.84	NR	14.04	MINIMUM

E - Estimated
NR - No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M O & B M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C F S	GAGE HT.	DATE			FROM	TO		
37 51 55	121 19 18	NW 9 1S 6E					JUL 40-DATE	1940 1952	1952	-3.61 -3.79	USCOS USCOS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 328

• DAILY MAXIMUM AND MINIMUM TIDES

TOM PAINE SLOUGH ABOVE MOUTH

in feet

STATION NO	WATER YEAR
895420	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.94 13.49	16.67 13.53	17.14 13.72	17.12 13.89	17.47 13.74	18.20 15.79	17.65 14.04	16.96 13.79	17.65 13.88	17.92 13.81	17.31 13.60	17.14 14.04	1
2	16.79 13.47	16.51 13.55	17.65 14.30	17.23 13.91	17.58 13.79	18.58 15.13	17.65 14.40	17.23 14.00	17.72 13.87	17.94 13.83	17.25 13.72	17.06 14.21	2
3	16.69 13.54	16.49 13.60	17.48 14.38	17.19 13.73	17.67 13.83	18.29 15.07	17.57 14.41	17.43 14.12	18.18 14.23	17.78 13.76	17.09 13.80	16.97 14.17	3
4	16.76 13.69	16.54 13.58	17.33 14.31	17.32 13.59	17.68 13.84	17.29 14.87	17.41 14.43	17.64 14.02	18.17 14.24	17.75 13.83	16.75 13.63	17.00 14.12	4
5	16.77 13.80	16.51 13.68	17.31 14.11	17.28 13.60	17.52 13.88	18.28 14.88	17.40 14.24	17.65 13.84	17.97 14.17	17.66 13.93	16.50 13.59	16.20 14.02	5
6	16.89 14.04	16.68 13.70	17.37 13.90	17.38 13.55	17.37 13.83	19.03 15.44	17.31 14.01	17.71 13.86	17.93 14.27	17.31 13.70	16.50 13.62	17.07 13.97	6
7	16.88 14.29	16.93 13.69	17.54 13.87	17.44 13.62	17.59 13.88	18.44 15.63	17.40 13.96	17.81 13.99	17.81 14.30	16.94 13.72	16.67 13.73	17.34 14.04	7
8	16.69 14.01	17.08 13.70	17.90 13.95	17.64 13.75	17.45 14.28	18.40 15.53	17.78 14.21	18.22 14.58	17.55 14.14	16.79 13.60	16.77 13.85	17.64 13.98	8
9	16.64 13.75	17.29 13.74	17.85 14.13	17.45 13.93	17.75 14.17	18.76 15.85	17.97 14.14	17.60 13.99	17.27 14.11	16.62 13.77	16.95 13.63	17.92 14.19	9
10	16.75 13.84	17.60 13.86	17.49 13.99	17.07 13.93	18.23 14.93	18.64 16.07	17.36 13.67	17.35 14.15	17.31 14.11	16.99 13.79	17.00 13.50	18.15 14.27	10
11	16.76 13.70	17.36 13.90	17.40 13.83	16.77 13.75	18.58 15.24	18.50 15.93	17.09 13.63	17.24 14.11	17.23 14.16	16.97 13.94	17.28 13.55	17.84 14.07	11
12	16.74 13.69	17.21 13.57	17.06 13.71	17.18 13.83	18.68 15.37	18.19 15.41	16.94 13.50	17.25 14.29	17.30 14.53	17.18 13.79	17.49 13.65	17.79 14.14	12
13	16.76 13.47	16.98 13.37	16.83 13.59	17.33 13.96	18.87 15.79	17.87 15.09	16.97 13.74	17.31 14.51	17.70 14.77	17.25 13.56	17.55 13.58	17.67 14.13	13
14	16.97 13.48	16.23 13.34	16.85 13.60	17.12 13.83	18.88 15.67	17.62 15.04	17.43 14.42	17.57 14.37	18.06 14.52	17.47 13.65	17.62 13.68	17.44 14.12	14
15	17.00 13.52	16.84 13.43	16.99 13.73	17.18 13.95	19.73 15.55	17.84 15.85	17.39 14.78	17.37 14.49	17.88 14.20	17.66 13.75	17.47 13.54	17.32 14.17	15
16	16.29 13.55	17.04 13.75	17.05 13.85	17.38 13.74	19.49 16.35	17.85 14.92	16.92 13.99	17.75 14.51	18.06 14.19	17.83 13.79	17.41 13.77	17.34 14.21	16
17	17.18 13.70	16.57 13.50	17.12 13.80	17.59 13.83	19.41 16.36	17.81 15.02	16.95 13.95	17.42 14.13	18.13 14.13	18.17 14.13E	17.32 13.87	17.95 14.27	17
18	17.24 13.79	16.70 13.54	17.36 14.00	17.48 13.84	19.33 16.43	17.88 14.96	16.87 13.91	17.64 14.07	18.07 13.93	18.33 14.23E	17.12 13.77	17.74 14.69	18
19	17.44 14.25	16.99 13.88	17.47 13.94	17.50 13.74	19.48 16.66	18.12 15.03	17.19 14.27	17.68 14.04	17.98 13.80	17.95 13.95E	16.90 13.80	17.65 14.21	19
20	17.26 14.06	17.52 14.05	17.57 13.93	18.13 14.24	19.27 16.78	17.78 15.30	17.29 13.93	17.72 13.86	17.95 13.82	17.61 13.77E	16.69 13.89	16.64 14.07	20
21	16.96 14.12	17.13 14.29	17.57 13.93	17.65 14.33	18.91 16.64	17.63 15.03	17.19 13.79	17.61 13.74	18.04 14.03	17.17 13.68E	16.99 14.14	17.49 13.89	21
22	16.64 13.79	17.03 13.62	17.53 13.79	17.31 14.24	18.59 16.55	18.03 14.91	17.37 13.79	17.71 13.72	18.16 14.46	16.91 13.75	17.29 14.16	17.47 13.87	22
23	16.84 13.75	17.39 13.56	17.34 13.80	17.31 13.84	18.59 16.35	17.63 14.77	17.58 13.86	17.77 13.89	17.91 14.29	16.92 13.83	17.64 14.22	17.47 13.92	23
24	16.99 13.78	17.75 13.83	17.28 13.73	17.03 13.83	18.61 16.33	17.30 14.59	17.75 14.01	17.62 13.74	17.33 14.00	17.17 14.09	17.65 14.01	17.44 14.04	24
25	17.25 13.72	17.70 14.02	17.14 13.68	16.75 13.79	18.25 16.07	17.26 14.40	17.48 13.62	17.29 13.69	17.30 14.01	17.40 14.09	17.52 13.89	17.64 14.34	25
26	17.41 13.92	17.33 13.96	16.77 13.57	16.59 13.68	18.23 15.96	17.42 14.39	17.19 13.54	17.10 13.70	17.33 14.00	17.49 13.88	17.60 14.01	17.46 14.29	26
27	17.39 13.89	17.03 13.68	16.15 13.34	16.57 13.55	17.77 15.11	17.44 14.24	17.15 13.57	17.08 13.97	17.46 13.95	17.66 13.87	17.56 13.80	17.40 14.31	27
28	16.91 13.91	16.80 13.55	16.15 13.19	16.56 13.49	17.76 15.04	17.66 14.44	17.17 13.79	17.34 14.02	17.58 13.93	17.76 13.91	17.27 13.72	17.22 14.27	28
29	16.37 13.50	16.89 13.59	16.28 13.18	16.77 13.64		17.85 14.44	16.94 13.65	17.34 14.26	17.96 14.07	17.89 14.01	17.55 14.04	17.06 14.23	29
30	16.09 13.20	17.19 13.90	16.40 13.26	16.99 13.60		17.51 14.12	16.79 14.18	17.48 14.15	17.90 13.83	17.95 13.94	17.39 13.96	17.02 14.07	30
31	16.53 13.30		16.56 13.44	17.29 14.27		17.31 14.96		17.51 13.93		17.67 13.74	17.35 14.07		31
MAXIMUM	17.44	17.75	17.90	18.13	19.73	19.03	17.97	18.22	18.18	18.33	17.65	18.15	MAXIMUM
MINIMUM	13.20	13.34	13.18	13.49	13.74	14.12	13.50	13.69	13.80	13.56	13.50	13.87	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

• In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 47 27	121 25 03	NW 4 2S 5E		14.6	12/29/55		JUN 51-DEC 51 APR 53-OCT 53 APR 54-DATE				

Station located 0.1 mi. E of mouth of Sugar Cut, 2.2 mi. above mouth, 2.6 mi. N of Tracy. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 329

* DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT MOWRY BRIDGE

in feet

STATION NO	WATER YEAR
895540	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.58 12.86	15.33 12.79	15.77 12.66	15.69 12.77	16.03 12.86	17.02 15.19	16.28 13.43	15.50 12.82	16.34 13.06	16.58 13.04	16.04 12.79	15.78 12.90	1
2	15.45 12.80	15.15 12.75	16.26 13.21	15.75 12.89	16.12 12.89	17.33 14.74	16.27 13.71	15.85 13.05	16.38 13.08	16.58 12.94	15.95 12.79	15.72 13.12	2
3	15.36 12.85	15.14 12.88	16.10 13.26	15.75 12.89	16.21 12.91	16.98 14.60	16.22 13.68	16.05 13.03	16.85 13.50	16.43 12.78	15.79 12.87	15.68 13.03	3
4	15.43 12.93	15.13 12.87	15.96 13.24	15.90 12.78	16.22 12.96	16.86 14.35	16.04 13.61	16.29 12.95	16.84 13.61	16.44 13.00	15.46 12.83	15.70 13.09	4
5	15.43 12.99	15.13 12.93	15.92 13.16	15.82 12.77	16.08 12.96	16.98 14.32	15.99 13.32	16.31 12.99	16.66 13.71	16.33 12.90	15.17 12.77	14.77 12.94	5
6	15.53 13.04	15.30 12.93	15.99 12.92	15.69 12.74	15.98 12.94	17.69 14.76	15.89 13.13	16.41 13.11	16.60 13.80	15.95 12.72	15.25 12.65	15.77 12.88	6
7	15.56 13.90	15.52 12.97	16.14 12.94	15.96 12.64	16.19 12.97	17.13 14.97	15.98 13.10	16.47 13.22	16.40 13.79	15.56 12.72	15.40 12.74	16.05 12.94	7
8	15.31 13.01	15.71 13.02	16.46 12.84	16.20 12.85	16.11 13.27	17.19 15.01	16.39 13.27	16.91 13.64	16.14 13.29	15.49 12.68	15.47 12.56	16.33 13.03	8
9	15.28 12.91	15.91 13.00	16.48 12.98	16.00 12.98	16.39 13.22	17.54 15.47	16.55 13.25	16.21 13.24	15.94 13.23	15.54 12.88	15.64 12.14	16.64 13.27	9
10	15.36 12.96	16.25 13.10	16.30 12.88	15.67 13.00	16.83 13.82	17.61 15.95	16.00 12.98	16.01 13.52	16.02 13.49	15.71 12.70E	15.70 11.87E	16.83 13.34	10
11	15.32 12.87	16.01 13.07	16.04 12.79	15.39 12.89	17.25 14.08	17.61 16.04	15.65 12.85	15.94 13.64	15.94 13.52	15.69 12.41	15.97 11.83E	16.53 13.09	11
12	15.30 12.88	15.83 12.92	15.70 12.74	15.74 12.93	17.31 14.43	17.26 15.49	15.45 12.85	15.98 13.78	16.00 13.58	15.91 11.96E	16.17 12.78	16.47 13.18	12
13	15.36 12.81	15.63 12.85	15.45 12.74	15.90 13.04	17.52 14.79	16.84 15.56	15.53 13.57	16.07 13.84	16.40 13.94	15.97 12.04E	16.19 11.83E	16.33 13.18	13
14	15.58 12.81	15.46 12.80	15.46 12.72	15.72 12.90	17.55 14.84	16.54 15.06	16.05 12.95	16.24 14.04	16.78 13.84	16.20 12.52	16.25 12.33E	16.12 13.17	14
15	15.66 12.81	15.23 12.84	15.59 12.78	15.75 12.92	18.41 14.78	16.68 14.86	16.01 13.38	16.00 13.68	16.57 13.61	16.37 12.87	16.12 12.24E	16.02 13.27	15
16	14.86 12.84	15.69 12.97	15.71 12.88	16.00 12.90	18.26 15.62	16.66 14.75	15.54 13.03	16.36 13.71	16.74 13.60	16.50 12.59	16.06 12.75	16.05 13.31	16
17	15.80 12.93	15.22 12.89	15.78 12.87	16.16 12.93	18.31 15.91	16.60 14.76	15.59 13.00	16.04 13.31	16.79 13.49	16.83 13.07	16.07 12.88	16.59 13.34	17
18	15.87 12.96	15.37 12.88	15.97 13.05	16.04 12.98	18.39 16.32	16.65 14.70	15.48 13.03	16.31 13.24	16.70 13.20	17.00 13.12	15.77 12.61	16.40 13.65	18
19	16.07 13.22	15.64 13.05	16.13 13.00	16.06 12.91	18.61 16.65	16.83 14.64	15.82 13.23	16.31 13.20	16.57 13.05	16.61 12.85	15.60 12.88	15.43 13.28	19
20	15.89 13.12	16.12 13.14	16.18 12.87	16.71 13.29	18.46 16.86	16.49 14.75	15.89 13.04	16.36 13.11	16.54 13.09	16.28 12.89	15.31 12.79	16.32 13.19	20
21	15.60 13.14	15.77 13.25	16.20 12.98	16.28 13.36	18.24 16.91	16.32 14.49	15.78 12.84	16.19 12.95	16.66 13.35	15.85 12.85	15.70 13.03	16.21 13.09	21
22	15.29 12.97	15.63 12.88	16.12 12.89	15.86 13.20	17.98 16.86	16.71 14.33	16.00 12.98	16.30 12.95	16.80 13.70	15.63 12.95	16.00 12.79	16.13 12.93	22
23	15.45 12.94	15.99 12.89	15.99 12.85	15.86 12.96	17.92 16.68	16.34 14.24	16.15 13.06	16.46 13.14	16.59 13.62	15.61 12.84	16.32 12.73	16.11 12.96	23
24	15.57 12.96	16.35 12.98	15.88 12.83	15.62 12.95	17.80 16.45	15.98 14.06	16.43 13.13	16.26 12.98	16.08 13.39	15.85 13.13	16.32 12.93	16.11 12.95	24
25	15.82 12.86	16.32 13.15	15.80 12.89	15.28 12.92	17.46 16.14	15.97 13.90	16.13 12.88	15.94 12.99	15.97 13.29	16.07 12.94	16.19 12.93	16.28 13.25	25
26	16.06 13.04	15.92 13.07	15.32 12.83	15.09 12.80	17.30 15.63	16.09 13.81	15.75 12.80	15.73 13.01	16.06 13.24	16.18 12.70	16.29 13.02	16.14 13.26	26
27	16.04 13.05	15.66 12.90	14.69 12.40	15.02 12.72	16.73 14.98	16.10 13.71	15.78 12.70	15.74 13.20	16.14 13.06	16.34 12.77	16.23 12.73	16.06 13.27	27
28	15.55 13.04	15.49 12.84	14.53 12.23	15.07 12.69	16.65 14.77	16.34 13.81	15.79 13.01	16.01 13.20	16.26 13.00	16.47 12.83	15.99 12.73	15.87 13.28	28
29	15.03 12.70	15.52 12.87	14.65 11.91E	15.31 12.75		16.55 13.78	15.63 13.46	16.08 13.34	16.64 13.09	16.59 13.21	16.20 13.05	15.71 13.23	29
30	14.69 12.67	15.81 13.02	14.83 12.19	15.52 12.93		16.19 14.42	15.47 12.95	16.16 13.24	16.56 13.03	16.63 12.82	16.03 12.97	15.73 13.15	30
31	15.21 12.71		15.03 12.23	15.84 12.78		15.98 13.52		16.20 13.15		16.30 12.85	16.01 13.04		31
MAXIMUM	16.07	16.35	16.48	16.71	18.61	17.69	16.55	16.91	16.85	17.00	16.32	16.83	MAXIMUM
MINIMUM	12.62	12.75	11.91E	12.64	12.86	13.52	12.70	12.82	13.00	11.96E	11.83E	12.86	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R. M088M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT	DATE			FROM	TO		
°7 50 04	121 22 59	NE24 1S 5E					JUL 48-DATE	1948 1952	1952	-2.70 -2.67	USCOS USCOS

Station located at Undine Road crossing on Upper Roberts Island. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 330

* DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
895380	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.88 13.29	16.65 13.39	17.09 13.55	17.03 13.79	17.34 13.50	18.10 15.48	17.56 13.77	16.89 13.53	17.61 13.67	17.81 13.56	17.29 13.37	17.09 13.84	1
2	16.77 13.32	16.50 13.39	17.58 14.16	17.14 13.77	17.43 13.58	18.45 14.71	17.56 14.16	17.18 13.77	17.68 13.67	17.82 13.57	17.20 13.49	17.02 14.05	2
3	16.64 13.29	16.43 13.48	17.40 14.23	17.13 13.60	17.51 13.59	18.16 14.71	17.46 14.16	17.35 13.87	18.13 13.98	17.69 13.51	17.01 13.61	16.93 14.00	3
4	16.73 13.47	16.47 13.43	17.27 14.19	17.25 13.47	17.53 13.61	18.09 14.51	17.31 14.17	17.61 13.82	18.09 13.89	17.66 13.63	16.71 13.44	16.95 13.97	4
5	16.72 13.70	16.47 13.57	17.24 13.94	17.22 13.45	17.39 13.67	18.19 14.56	17.31 13.98	17.59 13.67	17.87 13.73	17.57 13.70	16.41 13.37	16.19 13.91	5
6	16.85 13.94	16.65 13.56	17.30 13.73	17.29 13.38	17.28 13.63	18.92 15.13	17.21 13.73	17.67 13.64	17.79 13.87	17.24 13.50	16.43 13.41	17.05 13.83	6
7	16.86 14.18	16.86 13.58	17.46 13.67	17.36 13.46	17.53 13.74	18.31 15.31	17.29 13.69	17.75 13.72	17.76 13.95	16.87 13.47	16.59 13.56	17.30 13.87	7
8	16.66 13.89	17.07 13.58	17.63 13.73	17.53 13.56	17.38 14.09	18.27 15.16	17.67 13.93	18.17 14.32	17.49 13.84	16.72 13.37	16.70 13.66	17.61 13.85	8
9	16.63 13.63	17.25 13.63	17.78 13.91	17.33 13.75	17.63 13.99	18.58 15.41	17.83 13.84	17.52 13.71	17.24 13.84	16.75 13.55	16.71 13.46	17.92 14.08	9
10	16.73 13.73	17.56 13.79	17.65 13.77	16.95 13.75	18.11 14.75	18.49 15.57	17.25 13.37	17.27 13.79	17.27 13.81	16.91 13.49	16.96 13.35	18.13 14.14	10
11	16.75 13.48	17.33 13.78	17.38 13.66	16.65 13.54	18.48 15.05	18.36 15.38	16.96 13.21E	17.15 13.73	17.16 13.84	16.87 13.72	17.23 13.36	17.84 13.94	11
12	16.71 13.55	17.15 13.43	17.00 13.49	17.03 13.64	18.56 15.14	18.02 14.88	16.80 13.21E	17.13 13.89	17.28 14.27	17.11 13.52	17.44 13.45	17.80 14.01	12
13	16.75 13.37	16.95 13.23E	16.75 13.40	17.19 13.77	18.76 15.58	17.73 14.57	16.84 13.48	17.25 14.16	17.62 14.43	17.17 13.32	17.50 13.32	17.67 14.02	13
14	16.97 13.31E	16.74 13.26E	16.80 13.46	17.00 13.65	18.76 15.42	17.47 14.57	17.30 14.77	17.47 14.49	17.96 14.15	17.39 13.40	17.57 13.43	17.44 13.99	14
15	16.99 13.40	16.50 13.28E	16.96 13.56	17.09 13.79	19.60 15.30	17.70 15.47	17.29 14.19	17.29 14.03	17.82 13.82	17.59 13.48	17.43 13.34	17.32 14.04	15
16	16.28 13.43	17.03 13.63	17.03 13.74	17.29 13.59	19.35 16.08	17.73 14.46	16.81 13.76	17.67 14.24	17.99 13.82	17.75 13.55	17.38 13.61	17.34 14.09	16
17	17.17 13.59	16.55 13.34	17.13 13.73	17.43 13.60	19.23 16.00	17.68 14.59	16.85 13.71	17.36 13.87	18.07 13.81	18.11 13.92	17.36 13.65	17.94 14.17	17
18	17.24 13.68	16.70 13.40	17.33 13.89	17.29 13.64	19.20 16.00	17.78 14.56	16.76 13.70	17.61 13.83	18.00 13.60	18.29 14.03	17.08 13.59	17.73 14.58	18
19	17.42 14.13	17.00 13.77	17.45 13.82	17.38 13.53	19.33 16.19	18.02 14.67	17.04 13.99	17.63 13.81	17.92 13.50	17.90 13.72	16.88 13.61	16.73 14.09	19
20	17.25 13.94	17.47 13.93	17.54 13.80	17.98 14.08	19.05 16.28	17.71 14.98	17.15 13.65	17.69 13.66	17.88 13.56	17.53 13.50	16.64 13.70	17.63 13.95	20
21	16.95 13.98	17.06 14.17	17.53 13.80	17.54 14.13	18.67 16.13	17.52 14.72	17.03 13.48	17.56 13.45	17.99 13.75	17.09 13.38	16.94 13.96	17.43 13.72	21
22	16.63 13.68	16.96 13.38	17.47 13.67	17.19 14.04	18.34 15.97	17.95 14.59	17.25 13.52	17.66 13.46	18.10 14.16	16.85 13.54	17.27 13.96	17.39 13.69	22
23	16.83 13.69	17.33 13.93	17.33 13.65	17.19 13.66	18.33 15.77	17.57 14.50	17.43 13.61	17.75 13.67	17.85 14.02	16.86 13.63	17.57 14.01	17.41 13.77	23
24	16.93 13.67	17.68 13.59	17.23 13.60	16.93 13.64	18.35 15.82	17.23 14.29	17.69 13.76	17.59 13.49	17.31 13.70	17.12 13.89	17.63 13.79	17.39 13.89	24
25	17.20 13.59	17.63 13.89	17.11 13.54	16.63 13.57	18.06 15.53	17.22 14.11	17.41 13.38	17.25 13.41	17.23 13.75	17.34 13.90	17.48 13.68	17.56 14.17	25
26	17.37 13.77	17.27 13.79	16.68 13.43	16.47 13.44	17.99 15.10	17.35 14.10	17.12 13.35	17.05 13.44	17.28 13.77	17.44 13.71	17.56 13.81	17.40 14.14	26
27	17.36 13.74	16.93 13.48	16.12 13.21E	16.43 13.35	17.59 14.59	17.37 13.92	17.05 13.36	17.02 13.73	17.39 13.73	17.61 13.71	17.51 13.60	17.34 14.18	27
28	16.85 13.78	16.70 13.34	16.11 13.07E	16.46 13.33	17.63 14.60	17.59 14.15	17.10 13.58	17.26 13.78	17.45 13.66	17.72 13.74	17.30 13.56	17.18 14.11	28
29	16.35 13.38	16.79 13.41	16.23 12.93E	16.65 13.45		17.82 14.20	16.86 13.41	17.35 14.06	17.83 13.80	17.79 13.78	17.50 13.87	17.00 14.08	29
30	16.05 13.01E	17.13 13.76	16.33 13.07E	16.86 13.42		17.44 13.82	16.72 13.97	17.44 13.92	17.79 13.59	17.85 13.75	17.34 13.77	16.96 13.93	30
31	16.49 13.20E		16.47 13.26E	17.18 14.13		17.26 14.74		17.49 13.73		17.60 13.55	17.30 13.88		31
MAXIMUM	17.42	17.68	17.83	17.98	19.60	18.92	17.83	18.17	18.13	18.29	17.63	18.13	MAXIMUM
MINIMUM	13.01E	13.23E	12.93E	13.33	13.50	13.82	13.21E	13.41	13.50	13.32	13.32	13.69	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine proceaa the data in thia table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIDD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIDD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 48 30	121 26 06	SW32 1S 5E		13.2	12/29/55		5/51-12/54 δ 2/55-DATE			-4.44	USCGS

Station located 30 ft. above Tracy Road bridge, 3.5 mi. NW of Tracy. Station affected by tidal action.
Maximum gage ht. liated does not indicate maximum discharge.
δ - Irrigation seaaon only.

TABLE 331

* DAILY MAXIMUM AND MINIMUM TIDES

GRANT LINE CANAL AT TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
895300	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.87 12.51	15.67 12.56	16.10 12.77	16.02 12.96	16.36 13.55	17.12 13.82	16.49 13.74	15.77 12.88	16.60 12.81	16.85 12.74	16.35 12.66	16.07 13.05	1
2	15.75 12.49	15.48 12.53	16.58 13.31	16.14 13.22	16.43 12.74	17.46 14.90	16.48 13.23	16.07 12.85	16.68 12.83	16.86 12.73	16.26 12.79	16.00 13.23	2
3	15.65 12.55	15.41 12.63	16.39 13.42	16.12 12.77	16.55 12.77	17.17 13.81	16.42 13.24	16.24 13.00	17.15 13.14	16.69 12.70	16.08 12.88	15.87 13.17	3
4	15.70 12.73	15.48 12.61	16.27 13.37	16.27 12.64	16.54 12.81	17.08 13.66	16.24 13.29	16.50 12.94	17.13 13.08	16.70 12.78	15.77 12.68	15.89 13.12	4
5	15.71 12.83	15.45 12.73	16.23 13.14	16.21 12.64	16.39 12.85	17.08 13.68	16.23 13.12	16.50 12.76	16.93 12.95	16.59 12.84	15.44 12.63	16.00 13.06	5
6	15.81 13.06	15.64 12.74	16.31 12.89	16.29 12.54	16.33 12.81	17.80 14.19	16.14 12.88	16.58 12.74	16.91 13.04	16.26 12.71	15.48 12.67	15.10 13.00	6
7	15.79 13.28	15.85 12.75	16.47 12.83	16.37 12.66	16.57 12.92	17.21 14.37	16.25 12.82	16.65 12.89	16.80 13.12	15.87 12.71	15.65 12.79	16.27 13.03	7
8	15.60 12.96	16.02 12.75	16.82 12.89	16.56 12.77	16.44 13.34	17.18 14.21	16.59 13.04	17.18 13.47	16.52 13.00	15.72 12.63	15.74 12.91	16.58 13.00	8
9	15.55 12.72	16.22 12.80	16.79 13.09	16.35 12.94	16.75 13.23	17.51 14.46	16.81 12.99	16.57 12.87	16.24 12.99	15.76 12.81	15.91 12.69	16.88 13.21	9
10	15.67 12.83	16.55 12.93	16.67 12.97	15.97 12.94	17.19 13.99	17.36 14.56	16.20 12.55	16.33 12.97	16.31 12.94	15.93 12.84	15.95 12.54	17.13 13.31	10
11	15.67 12.66	16.31 12.93	16.39 12.84	15.69 12.76	17.53 14.26	17.23 14.41	15.93 12.40	16.21 12.84	16.20 13.02	15.89 12.98	16.23 12.60	16.78 13.10	11
12	15.65 12.44	16.15 12.63	16.02 12.69	16.08 12.84	17.63 14.34	16.93 13.93	15.76 12.37	16.21 13.02	16.27 13.42	16.12 12.79	16.44 12.68	16.74 13.17	12
13	15.67 12.45	15.96 12.39	15.77 12.59	16.22 12.97	17.83 14.80	16.62 13.61	15.80 12.65	16.27 13.27	16.67 13.62	16.17 12.63	16.44 12.57	16.64 13.18	13
14	15.88 12.44	15.18 12.36	15.82 12.68	16.04 12.82	17.82 14.62	16.43 13.61	16.23 13.32	16.48 13.15	17.05 13.33	16.43 12.68	16.53 12.66	16.39 13.16	14
15	15.96 13.51	15.76 12.47	15.98 12.78	16.07 12.75	18.66 14.50	16.63 14.54	16.20 13.69	16.25 13.32	16.90 13.02	16.62 12.75	16.35 12.56	16.28 13.18	15
16	15.24 12.53	16.00 12.79	16.05 12.94	16.31 13.29	18.44 15.26	16.65 13.48	15.71 12.87	16.63 13.29	17.05 13.05	16.78 12.81	16.30 12.77	16.29 13.25	16
17	16.09 12.69	15.53 12.54	16.14 12.92	16.46 12.79	18.29 15.19	16.58 13.62	15.74 12.85	16.34 12.99	17.10 13.00	17.14 13.19	16.28 12.84	16.88 13.30	17
18	16.19 12.81	15.66 12.58	16.33 13.32	16.34 12.83	18.27 15.17	16.66 13.59	15.68 12.86	16.59 12.97	17.02 12.82	17.28 13.27	16.06 12.77	16.68 13.74	18
19	16.38 13.23	15.93 12.92	16.45 13.00	16.47 12.72	18.37 15.41	16.89 13.70	15.93 13.12	16.64 12.95	16.95 12.72	16.92 12.96	15.84 12.83	15.71 13.25	19
20	16.22 13.08	16.38 13.05	16.50 13.00	16.97 13.24	18.09 15.41	16.63 14.01	16.04 12.76	16.69 12.78	16.90 12.78	16.55 12.77	15.92 12.92	16.60 13.12	20
21	15.94 13.17	16.01 13.28	16.52 12.98	16.52 13.29	17.71 15.22	16.42 13.74	15.92 12.60	16.55 12.62	17.03 12.94	16.13 12.64	15.48 13.18	16.48 12.92	21
22	15.62 12.86	15.93 12.57	16.44 12.83	16.15 13.19	17.37 15.09	16.86 13.64	16.13 12.61	16.66 12.65	17.14 13.34	15.89 12.80	16.27 13.22	16.44 12.89	22
23	15.83 12.80	16.28 12.48	16.30 12.83	16.15 12.81	17.38 14.86	16.45 13.54	16.31 12.69	16.77 12.83	16.89 13.20	15.89 12.89	16.59 13.28	16.40 12.96	23
24	15.96 12.80	16.66 12.74	16.24 12.78	15.90 12.75	17.38 14.93	16.08 13.33	16.59 12.84	16.60 12.68	16.32 12.89	16.15 13.13	16.66 13.09	16.41 13.10	24
25	16.22 12.78	16.60 12.98	16.12 12.72	15.60 12.74	17.11 14.68	16.11 13.14	16.30 12.45	16.30 12.60	16.25 12.89	16.33 13.16	16.50 12.97	16.54 13.32	25
26	16.39 12.97	16.25 12.97	15.71 12.63	15.45 12.60	17.03 14.28	16.26 13.17	16.03 12.38	16.03 12.60	16.30 12.92	16.48 12.99	16.57 13.06	16.39 13.28	26
27	16.38 12.91	15.94 12.67	15.13 12.37	15.38 12.50	16.64 13.74	16.29 13.01	15.96 12.43	16.02 12.85	16.37 12.87	16.63 12.98	16.51 12.86	16.32 13.29	27
28	15.89 12.94	15.75 12.56	15.12 12.16	15.42 12.45	16.67 13.72	16.54 13.19	15.99 12.66	16.26 12.91	16.52 12.83	16.74 13.00	16.30 12.80	16.13 13.24	28
29	15.38 12.56	15.85 12.60	15.22 12.16	15.64 12.62		16.71 13.22	15.77 12.49	16.31 13.21	16.88 13.01	16.87 13.09	16.49 13.09	15.95 13.22	29
30	15.08 12.16	16.15 12.96	15.34 12.27	15.87 12.58		16.38 12.92	15.61 12.63	16.41 13.08	16.81 12.77	16.91 13.00	16.33 12.99	15.93 13.07	30
31	15.52 12.34		15.46 12.47	16.17 12.68		16.20 12.83		16.48 12.89		16.65 12.84	16.26 13.09		31
MAXIMUM	16.39	16.66	16.82	16.97	18.66	17.80	16.81	17.18	17.15	17.28	16.66	17.13	MAXIMUM
MINIMUM	12.16	12.36	12.16	12.45	12.74	12.83	12.37	12.60	12.72	12.63	12.54	12.89	MINIMUM

E – Estimated
NR – No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 49 13	121 26 55	NE29 1S 5E					OCT 40-DATE	1940 1952 1953	1952 1953	-3.66 -4.13 -2.13	USCGS USCGS USCGS

Station located at Tracy Road bridge crossing, 5 mi. N of Tracy. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge.

TABLE 332

* DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT CLIFTON COURT FERRY

in feet

STATION NO	WATER YEAR
895340	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	14.02 11.97	14.56 11.41	15.16 11.67	14.95 11.78	15.40 12.48	15.94 12.42	NR NR	14.67 11.64	15.50 11.56	15.73 11.52	15.29 11.47	15.06 11.93	1
2	14.74 11.96	14.40 11.43	15.52 12.24	15.07 12.13	15.39 11.56	16.26 12.41	NR NR	14.94 11.71	15.58 11.57	15.74 11.54	15.19 11.57	14.97 12.11	2
3	14.65 11.43	14.38 11.54	15.33 12.31	15.04 11.59	15.50 11.62	16.01 13.08	NR NR	15.15 11.77	15.95 11.76	15.59 11.52	14.99 11.70	14.83 12.03	3
4	14.71 11.61	14.44 11.47	15.17 12.23	15.27 11.44	15.52 11.64	15.89 12.27	NR NR	15.41 11.71	15.92 11.59	15.60 11.61	14.71 11.51	14.88 12.03	4
5	14.73 11.75	14.45 11.61	15.21 11.93	15.15 11.43	15.34 11.64	16.00 12.27	NR NR	15.41 11.54	15.72 11.47	15.49 11.68	14.34 11.40	14.97 11.96	5
6	14.83 11.96	14.62 11.61	15.22 11.72	15.27 11.31	15.28 11.61	16.70 13.01	NR NR	15.45 11.49	15.66 11.50	15.21 11.51	14.54 11.52	14.02 11.92	6
7	14.75 12.17	14.84 11.58	15.39 11.64	15.31 11.42	15.54 11.79	16.06 13.16	15.10 11.54	15.51 11.61	15.56 11.67	14.81 11.49	13.78 11.74	15.16 11.78	7
8	14.55 11.78	15.04 11.59	15.73 11.70	15.50 11.55	15.39 12.17	16.02 12.88	15.45 11.77	15.95 12.09	15.31 11.67	14.64 11.42	14.66 11.82	15.45 11.83	8
9	14.52 11.57	15.21 11.59	15.71 11.89	15.28 11.74	15.64 12.16	16.28 13.05	15.66 11.72	15.29 11.54	15.05 11.64	14.67 11.63	14.84 11.59	15.78 12.07	9
10	14.44 11.69	15.49 11.77	15.55 11.71	14.92 11.74	16.09 12.87	16.21 13.06	15.09 11.27	15.06 11.52	15.06 11.49	14.87 11.73	14.91 11.44	16.00 12.08	10
11	14.66 11.47	15.26 11.77	15.31 11.61	14.66 11.57	16.39 13.14	16.07 12.85	14.83 11.13	14.96 11.33	14.95 11.65	14.83 11.84	15.21 11.47	15.67 11.90	11
12	14.62 11.49	15.13 11.46	14.94 11.44	15.02 11.69	16.44 13.14	15.79 12.36	14.69 11.17	14.89 11.55	15.04 12.09	15.05 11.61	15.40 11.54	15.66 11.92	12
13	14.63 11.35	14.92 11.24	14.71 11.35	15.17 11.83	16.64 13.34	15.51 12.10	14.71 11.45	15.02 11.85	15.40 12.24	15.14 11.47	15.44 11.41	15.55 11.98	13
14	14.86 11.34	14.72 11.19	14.75 11.45	14.96 11.71	16.64 13.17	15.36 12.14	15.12 12.13	15.24 11.79	15.79 11.96	15.35 11.49	15.52 11.57	15.30 11.96	14
15	14.91 11.38	14.47 11.32	14.92 11.54	15.05 11.58	17.39 14.77	15.50 12.00	15.15 11.72	15.09 11.95	15.62 11.63	15.54 11.54	15.40 11.42	15.20 12.00	15
16	15.07 11.41	14.94 11.67	15.01 11.74	15.23 11.60	17.17 14.00	15.52 13.05	14.73 11.70	15.39 12.06	15.79 11.67	15.72 11.64	15.36 11.68	15.22 12.08	16
17	14.49 11.57	14.51 11.34	15.02 11.79	15.43 12.44	17.05 13.78	15.47 12.18	14.76 12.01	15.17 11.66	15.85 11.66	16.09 12.02	15.33 11.64	15.77 12.15	17
18	15.07 11.49	14.66 11.48	15.26 12.16	15.31 11.70	16.99 13.69	15.54 12.12	14.69 11.74	15.40 11.69	15.81 11.45	16.23 12.13	15.07 11.65	15.62 12.56	18
19	15.30 12.06	14.95 11.73	15.39 11.77	15.50 11.54	17.09 13.82	15.77 12.27	14.85 11.91	15.41 11.62	15.73 11.38	15.89 11.82	14.85 11.69	15.50 12.07	19
20	15.15 11.92	15.41 11.95	15.49 11.79	15.91 12.13	16.84 13.91	15.45 12.69	14.96 11.59	15.49 11.46	15.71 11.42	15.52 11.58	14.87 11.79	14.48 11.87	20
21	14.81 11.94	15.05 12.16	15.46 11.76	15.51 12.17	16.42 13.66	15.26 12.39	14.84 11.39	15.37 11.28	15.80 11.59	15.08 11.49	14.43 12.04	15.37 11.72	21
22	14.52 11.67	14.90 11.34	15.38 11.60	15.14 12.09	16.13 13.51	15.71 12.30	15.06 11.38	15.47 11.29	15.90 12.04	14.79 11.60	15.21 12.06	15.32 11.67	22
23	14.75 11.56	15.31 11.34	15.29 11.69	15.11 11.71	16.11 13.29	15.32 12.22	15.23 11.48	15.54 11.32	15.65 11.81	14.81 11.72	15.55 12.12	15.34 11.70	23
24	14.84 11.64	15.66 11.62	15.17 11.58	14.89 11.61	16.19 13.36	15.00 12.00	15.47 11.56	15.38 11.27	15.12 11.51	15.06 11.97	15.59 11.91	15.28 11.84	24
25	15.12 11.61	15.58 11.94	15.04 11.54	14.59 11.62	15.89 13.16	15.02 11.83	15.21 11.19	15.06 11.17	15.06 11.51	15.27 12.04	15.47 11.79	15.47 12.10	25
26	15.30 11.78	15.22 11.76	14.60 11.46	14.58 11.52	15.84 12.74	15.15 11.84	14.94 11.09	14.87 11.29	15.09 11.67	15.41 11.86	15.54 11.91	15.28 12.08	26
27	15.27 11.73	14.89 11.49	14.06 11.13	14.43 11.47	15.45 12.27	15.21 11.66	14.82 11.23	14.84 11.51	15.20 11.64	15.58 11.82	15.46 11.67	15.22 12.14	27
28	14.77 11.79	14.69 11.34	14.04 10.92	14.44 11.38	15.53 12.29	15.42 11.86	14.89 11.44	15.09 11.66	15.35 11.61	15.71 11.86	15.27 11.65	15.08 12.08	28
29	14.27 11.35	14.83 11.44	14.17 10.99	14.65 11.55		15.63 11.91	14.69 11.27	15.15 11.83	15.73 11.77	15.82 11.89	15.45 11.89	14.87 12.06	29
30	14.41 10.93	15.04 11.79	14.28 11.13	14.85 11.42		NR NR	14.49 11.37	15.26 11.81	15.72 11.61	15.84 11.84	15.31 11.85	14.84 11.91	30
31	14.31 11.20		14.41 11.36	15.17 11.58		NR NR		15.32 11.65		15.60 11.64	15.26 11.97		31
MAXIMUM	15.30	15.66	15.73	15.91	17.39	NR	NR	15.95	15.95	16.23	15.59	16.00	MAXIMUM
MINIMUM	10.93	11.19	10.92	11.31	11.56	NR	NR	11.17	11.38	11.42	11.40	11.67	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 49 28	121 33 05	SE20 13 4E					DEC 48-DATE	1948 1952	1952	-2.25 -2.12	USCOS USCOS

Station located approx. 2,000 ft. below junction with Grant Line Canal. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 333

* DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BORDEN HIGHWAY

in feet

STATION NO	WATER YEAR
B95500	1962

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.19 9.46	12.64 9.47	13.13 9.45	13.00 9.80	13.26 9.57	13.74 10.23	13.35 9.86	12.89 9.83	13.68 9.68	13.84 9.66	13.51 9.61	13.15 10.02	1
2	12.87 9.46	12.51 9.46	13.53 10.21	13.10 9.59	13.36 10.57	14.07 10.24	13.35 9.91	13.21 9.89	13.77 9.72	13.90 9.68	13.43 9.74	13.03 10.20	2
3	12.77 9.50	12.43 9.58	13.35 10.33	13.05 10.19	13.44 9.58	13.73 10.94	13.30 10.29	13.43 10.00	14.14 9.85	13.82 9.67	13.23 9.81	12.97 10.16	3
4	12.82 9.71	12.44 9.53	13.24 10.00	13.20 9.41	13.46 9.62	13.67 10.05	13.18 10.05	13.68 9.90	13.98 9.75	13.77 9.72	12.91 9.65	12.97 10.12	4
5	12.80 9.82	12.43 9.63	13.23 10.29	13.15 9.38	13.28 9.63	13.84 10.10	13.22 9.91	13.68 9.70	13.79 9.57	13.66 9.85	12.63 9.55	13.09 10.06	5
6	12.92 10.04	12.63 9.78	13.29 9.78	13.24 9.28	13.18 9.58	14.49 10.84	13.15 9.68	13.69 9.65	13.70 9.59	13.28 9.68	12.79 9.65	12.15 10.02	6
7	13.01 10.33	12.85 9.63	13.47 9.70	13.32 9.37	13.43 9.69	13.99 11.03	13.25 9.64	13.75 9.76	13.58 9.76	12.91 9.67	11.95 9.85	13.33 10.00	7
8	12.74 9.98	13.03 9.63	13.81 9.76	13.48 9.48	13.26 10.13	13.92 10.81	13.60 9.89	14.15 10.27	13.35 9.78	12.50 9.57	12.85 9.97	13.62 9.98	8
9	12.77 9.77	13.23 9.64	13.79 9.91	13.27 9.68	13.51 10.09	14.20 10.98	13.79 9.83	13.44 9.64	13.16 9.76	12.88 9.76	13.06 9.69	13.91 10.20	9
10	12.86 9.89	13.53 9.84	13.63 9.77	12.89 9.71	13.98 10.79	14.08 10.88	13.17 9.32	13.22 9.65	13.19 9.61	13.06 9.82	13.13 9.56	14.08 10.23	10
11	12.84 9.79	13.29 9.81	13.33 9.65	12.59 9.58	14.27 11.10	13.93 10.64	12.88 9.21	13.03 9.47	13.07 9.77	13.06 10.01	13.35 9.58	13.80 9.97	11
12	12.70 9.65	13.14 9.45	13.00 9.43	12.95 9.67	14.24 11.00	13.65 10.16	12.77 9.25	13.05 9.69	13.18 10.22	13.28 9.77	13.57 9.65	13.75 10.03	12
13	12.81 9.43	12.94 9.20	12.77 9.34	13.10 9.83	14.44 11.20	13.35 9.87	12.81 9.52	13.12 10.00	13.51 10.39	13.38 9.59	13.61 9.52	13.65 10.05	13
14	13.01 9.44	12.79 9.23	12.70 9.44	12.93 9.65	14.41 11.00	13.25 9.97	13.27 10.29	13.36 9.96	13.91 10.09	13.57 9.67	13.69 9.65	13.42 10.05	14
15	13.04 9.49	12.52 9.33	12.96 9.59	12.95 9.57	15.23 12.69	13.37 9.92	13.29 9.84	13.11 10.15	13.71 9.77	13.77 9.69	13.58 9.51	13.28 10.08	15
16	13.16 9.48	12.97 9.68	13.04 9.79	13.19 9.63	14.90 11.84	13.39 10.98	12.85 9.84	13.48 10.17	13.95 9.79	13.96 9.80	13.54 9.77	13.32 10.17	16
17	12.58 9.68	12.54 9.43	13.16 9.78	13.35 10.44	14.73 11.59	13.33 10.07	12.93 9.85	13.23 9.83	13.95 9.77	14.31 10.19	13.52 9.78	13.91 10.22	17
18	13.21 9.79	12.70 9.49	13.33 9.78	13.27 9.63	14.72 11.48	13.43 9.99	12.90 9.95	13.53 9.81	13.89 9.59	14.47 10.29	13.23 9.73	13.69 10.63	18
19	13.39 10.18	12.98 9.84	13.45 10.44	13.46 9.54	14.81 11.60	13.72 10.17	13.12 10.16	13.55 9.83	13.85 9.51	14.08 10.01	13.01 9.78	13.61 10.17	19
20	13.23 10.01	13.43 10.19	13.55 9.77	13.90 10.19	14.53 11.63	13.37 10.59	13.15 9.69	13.60 9.57	13.85 9.55	13.75 9.75	13.16 9.90	13.48 9.98	20
21	12.97 10.07	13.04 10.29	13.53 9.79	13.43 10.17	14.13 11.38	13.23 10.30	13.02 9.49	13.50 9.41	13.91 9.75	13.32 9.64	12.65 10.16	12.56 9.81	21
22	12.66 9.77	12.96 9.37	13.46 9.64	13.03 10.08	13.80 11.70	13.65 10.27	13.20 9.49	13.58 9.45	13.97 10.17	13.08 9.77	13.46 10.19	13.39 9.76	22
23	12.85 9.68	13.31 9.33	13.29 9.66	13.03 9.63	13.83 11.09	13.28 10.17	13.36 9.61	13.74 9.58	13.70 9.95	12.77 9.91	13.77 10.23	13.37 9.79	23
24	12.98 9.70	13.68 9.60	13.21 9.57	12.80 9.59	13.87 11.15	12.91 9.95	13.64 9.76	13.52 9.39	13.15 9.64	13.30 10.20	12.79 10.06	13.35 9.95	24
25	13.26 9.65	13.61 9.92	13.08 9.53	12.53 9.60	13.64 10.97	12.90 9.75	13.37 9.35	13.21 9.35	13.07 9.67	13.52 10.22	13.60 9.89	13.55 10.19	25
26	13.41 9.83	13.20 9.79	12.66 9.44	12.39 9.49	13.55 10.53	13.10 9.77	13.09 9.25	12.96 9.42	13.24 9.77	13.66 10.00	13.65 10.00	13.37 10.19	26
27	13.37 9.79	12.87 9.49	12.09 9.22	12.37 9.38	13.19 10.05	13.12 9.63	13.05 9.37	13.01 9.67	13.31 9.79	13.79 9.99	13.61 9.75	13.25 10.23	27
28	12.85 9.83	12.70 9.39	12.09 9.01	12.39 9.40	13.29 10.11	13.35 9.84	13.06 9.59	13.25 9.78	13.47 9.79	13.90 10.00	13.39 9.71	13.09 10.19	28
29	12.33 9.39	12.79 9.47	12.20 9.05	12.61 9.53		13.60 9.89	12.92 9.45	13.32 10.05	13.89 9.96	13.99 10.06	13.62 10.02	12.85 10.14	29
30	12.49 9.00	13.09 9.85	12.30 9.19	12.84 9.48		13.24 9.55	12.77 9.59	13.46 9.96	13.85 9.75	14.04 9.98	13.44 9.92	12.84 10.02	30
31	12.39 9.25		12.45 9.38	13.14 9.56		13.07 9.53		13.51 9.79		13.79 9.79	13.38 10.05		31
MAXIMUM	13.41	13.68	13.81	13.90	15.23	14.49	13.79	14.15	14.14	14.47	13.79	14.08	MAXIMUM
MINIMUM	9.00	9.20	9.01	9.28	9.57	9.53	9.21	9.35	9.51	9.57	9.51	9.76	MINIMUM

E - Estimated
NR - No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 53 28	121 29 20	NW36 1N 4E		7.2	12/26/55		JUL 39-DATE	1939	1943	-4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED

Station located on Victoria Island, below State Highway 4 bridge, 10 mi. NW of Tracy. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 334

* DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT MANSION HOUSE

in feet

STATION NO	WATER YEAR
895260	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.89 9.59	12.51 9.45	13.25 9.79	13.04 9.82	13.35 9.59	13.78 10.23	13.37 9.89	12.91 9.87	13.62 9.65	13.22 9.67	13.63 9.69	13.28 10.10	1
2	12.32 9.47	12.52 9.44	13.42 10.24	13.12 9.61	13.47 10.60	14.07 10.23	13.37 9.97	13.22 9.95	13.73 9.66	13.95 9.67	13.51 9.78	13.14 10.24	2
3	12.81 9.61	12.45 9.57	13.35 10.34	13.09 10.24	13.53 9.59	13.76 10.04	13.31 10.32	13.47 10.02	14.09 9.81	13.85 9.69	13.33 9.86	13.04 10.20	3
4	12.90 9.79	12.46 9.55	13.26 10.04	13.38 9.42	13.56 9.63	13.71 10.87	13.21 10.11	13.74 9.95	13.94 9.69	13.81 9.72	13.03 9.70	13.06 10.18	4
5	12.90 9.91	12.44 9.63	13.21 10.31	13.45E 9.50E	13.38 9.66	13.99 10.09	13.25 9.94	13.74 9.75	13.73 9.55	13.73 9.87	12.71 9.63	13.13 10.11	5
6	12.98 10.09	12.65 9.76	13.28 9.75	13.43 9.40	13.27 9.62	14.61 10.92	13.17 9.71	13.75 9.69	13.64 9.57	13.35 9.69	12.88 9.71	13.39 10.03	6
7	12.97 10.22	12.89 9.64	13.47 9.64	13.48 9.50	13.61 9.76	13.99 11.05	13.29 9.67	13.74 9.79	13.50 9.73	13.03 9.71	12.93 9.93	13.67 9.97	7
8	12.68 9.94	13.07 9.62	13.77 9.70	13.68 9.64	13.35 10.18	13.87 10.81	13.64 9.92	14.18 10.25	13.29 9.78	12.57 9.65	11.86 10.03	12.64 10.01	8
9	12.73 9.74	13.26 9.64	13.75 9.86	13.45 9.84	13.65 10.24	14.17 10.92	13.81 9.86	13.45 9.69	13.10 9.75	12.99 9.86	13.13 9.76	13.98 10.23	9
10	12.84 9.85	13.54 9.83	13.61 9.73	12.98 9.79	14.13 10.86	14.04 10.82	13.21 9.40	13.15 9.69	13.16 9.58	13.18 9.93	13.19 9.61	14.18 10.25	10
11	12.81 9.69	13.29 9.79	13.34 9.61	12.75 9.69	14.39 11.18	13.88 10.59	12.94 9.28	13.03 9.47	13.02 9.75	13.17 10.14	13.45 9.65	13.89 10.00	11
12	12.75 9.64	13.12 9.44	12.96 9.39	13.10 9.81	14.37 11.08	13.58 10.13	12.78 9.32	12.97 9.65	13.12 10.18	13.38 9.88	13.63 9.70	13.87 10.04	12
13	12.81 9.42	12.95 9.22	12.73 9.33	13.26 9.94	14.61 11.26	13.30 9.88	12.85 9.61	13.06E 9.98	13.48 10.16	13.48 9.71	13.71 9.58	13.70 10.06	13
14	13.01 9.44	12.77 9.25	12.79 9.39	13.08 9.80	14.53 11.06	13.24 9.98	13.30 10.35	13.02E 9.95	13.89 10.09	13.69 9.74	13.80 9.73	13.49 10.05	14
15	13.09 9.47	12.99 9.36	12.96 9.58	13.13 9.73	15.29 12.75	13.32 9.93	13.32 9.92	13.05 10.13	13.67 9.79	13.89 9.76	13.69 9.57	13.36 10.09	15
16	13.21 9.48	12.69 9.69	13.07 9.79	13.33 9.75	14.97 11.89	13.34 10.07	12.89 9.94	13.40 10.18	13.87 9.79	14.05 9.83	13.69 9.85	13.40 10.18	16
17	12.60 9.67	12.57 9.44	13.20 9.82	13.56 10.61	14.78 11.63	13.29 10.02	12.97 9.95	13.21 9.81	13.95 9.75	14.43 10.23	13.63 9.81	13.97 10.23	17
18	13.24 9.77	12.75 9.54	13.35 9.82	13.46 9.78	14.78 11.49	13.40 10.88	12.96 10.00	13.43 9.78	13.88 9.58	14.58 10.33	13.33 9.81	13.78 10.65	18
19	13.41 10.14	13.02 9.88	13.50 10.46	13.63 9.73	14.82 11.59	13.72 10.21	13.16 10.21	13.47 9.74	13.83 9.51	14.20 10.07	13.11 9.83	13.68 10.18	19
20	13.21 9.96	13.46 10.29	13.54 9.79	14.02 10.25	14.56 11.64	13.35 10.60	13.10 9.73	13.53 9.49	13.82 9.53	13.85 9.78	13.28 9.98	13.57 10.00	20
21	12.97 10.01	13.05 10.19	13.54 9.74	13.49 10.20	14.13 11.35	13.19 10.31	13.04 9.55	13.41 9.35	13.89 9.70	13.40 9.67	13.62 10.23	12.61 9.86	21
22	12.68 9.74	12.97 9.39	13.49 9.59	13.09 10.06	13.80 11.18	13.63 10.29	13.17 9.55	13.53 9.37	13.99 10.19	13.13 9.81	13.92 10.25	13.46 9.79	22
23	12.89 9.68	13.32 9.36	13.32 9.64	13.07 9.62	13.82 11.02	13.28 10.16	13.39 9.63	13.69 9.51	13.74 9.91	12.86 9.99	12.70 10.31	13.45 9.78	23
24	13.00 9.66	13.69 9.59	13.21 9.56	12.83 9.59	13.88 11.17	12.92 9.96	13.65 9.78	13.45 9.34	13.19 9.61	13.41 10.25	13.91 10.11	13.40 9.93	24
25	13.27 9.62	13.63 9.94	13.07 9.53	12.58 9.62	13.64 10.99	12.93 9.76	13.40 9.40	13.13 9.26	13.12 9.67	13.65 10.29	13.75 9.94	13.64 10.22	25
26	13.41 9.79	13.19 9.81	12.65 9.44	12.44 9.52	13.53 10.51	13.06 9.80	13.06 9.28	12.90 9.38	13.23 9.78	13.76 10.08	13.81 10.10	13.47 10.21	26
27	13.35 9.74	12.85 9.53	12.11 9.22	12.40 9.36	13.20 10.06	13.14E 9.69	13.05 9.42	12.93 9.62	13.36 9.80	13.91 10.06	13.77 9.83	13.39 10.27	27
28	12.82 9.79	12.69 9.43	12.08 9.06	12.47 9.39	13.30 10.12	13.37 9.86	13.02 9.62	13.20 9.75	13.51 9.79	14.03 10.07	13.54 9.77	13.20 10.20	28
29	12.29 9.33	12.87 9.49	12.17 9.07	12.65 9.54		13.60 9.95	12.94 9.51	13.27 10.00	13.92 9.98	14.13 10.13	13.70 10.06	12.99 10.15	29
30	12.45 8.92	13.15 9.91	12.29 9.19	12.86 9.48		13.26 9.59	12.79 9.62	13.42 9.95	13.91 9.76	14.17 10.06	13.55 9.98	12.94 10.04	30
31	12.62 9.21		12.44 9.41	13.18 9.55		13.09 9.59		13.48 9.74		13.89 9.84	13.52 10.14		31
MAXIMUM	13.41	13.69	13.77	14.02	15.29	14.61	13.81	14.18	14.09	14.58	13.92	14.18	MAXIMUM
MINIMUM	8.92	9.22	9.06	9.36	9.59	9.59	9.28	9.26	9.51	9.65	9.57	9.78	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B. R. M. O. B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 54 37	121 33 39	NW29 1N 4E		7.4	12/26/55		AUG 39-DATE	1939 1943 1943	1943	2.3 0.00 3.15	USED USCGS USED

Station located on Victoria Island, 0.2 mi. S of North Victoria Canal, 7.5 mi. E of Brentwood. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 335

* DAILY MAXIMUM AND MINIMUM TIDES

MCLEOD LAKE AT STOCKTON

in feet

STATION NO	WATER YEAR
895700	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.88 13.05	16.51 12.94	17.02 13.14	17.08 13.23	17.38 12.91	17.64 13.66	17.39 13.27	17.02 13.33	17.86 13.21	18.07 13.21	17.75 13.24	17.32 13.61	1
2	16.29 12.98	16.51 12.92	17.49 13.65	17.20 12.98	17.50 14.11	18.05 13.64	17.41 13.32	17.32 13.40	17.93 13.21	16.12 13.16	17.66 13.41	17.17 13.81	2
3	16.74 13.04	16.41 13.00	17.30 13.72	17.20 12.81	17.63 12.95	17.81 13.41	17.38 13.45	17.61 13.57	18.32 13.35	17.99 13.19	17.47 13.57	17.10 13.73	3
4	16.44 13.19	16.44 12.98	17.22 13.40	17.30 13.83	17.62 12.94	17.75 13.37	17.29 13.53	17.87 13.40	18.10 13.16	17.97 13.30	17.13 13.30	17.08 13.75	4
5	16.84 13.28	16.44 12.99	17.26 13.73	17.27 12.69	17.46 12.96	18.08 13.88	17.31 13.42	17.84 13.22	17.83 13.01	17.83 13.55	16.82 13.23	17.20 13.68	5
6	16.99 13.59	16.62 12.98	17.32 13.17	17.41 12.62	17.33 12.93	18.67 14.19	17.27 13.10	17.82 13.13	17.69 13.14	17.47 13.28	16.98 13.28	17.45 13.73	6
7	17.07 13.79	16.82 13.44	17.49 13.05	17.43 12.69	17.55 12.99	18.03 14.34	17.41 13.13	17.83 13.28	17.57 13.36	17.08 13.32	17.07 13.58	17.69 13.68	7
8	16.66 13.21	17.01 12.97	17.84 13.10	17.57 12.82	17.38 13.54	17.92 14.23	17.75 13.44	18.17 13.85	17.32 13.41	17.11 13.29	17.23 13.69	16.65 13.66	8
9	16.80 13.29	17.19 12.96	17.79 13.30	17.35 13.00	17.57 13.47	18.25 14.35	17.92 13.35	17.40 13.18	17.15 13.41	16.33 13.52	15.87 13.37	18.00 13.86	9
10	16.92 13.33	17.52 13.25	17.62 13.08	16.94 13.01	18.15 14.24	18.03 14.24	17.19 12.83	17.13 13.27	17.22 13.26	17.28 13.65	17.34 13.25	18.22 13.87	10
11	16.85 13.17	17.24 13.17	17.36 13.00	16.68 12.94	18.41 14.69	17.86 14.01	16.86 12.74	17.04 13.07	17.14 13.36	17.30 13.76	17.55 13.20	17.96 13.55	11
12	16.80 13.08	17.04 12.79	17.01 12.80	17.02 13.09	18.35 14.54	17.45 13.41	16.71 12.82	17.07 13.27	17.25 13.84	17.51 13.50	17.77 13.27	17.94 13.58	12
13	16.83 12.85	16.68 12.57	16.73 12.75	17.24 13.31	18.52 14.71	17.19 13.21	16.81 13.07	17.14 13.56	17.61 13.95	17.66 13.31	17.84 13.08	17.81 13.58	13
14	17.00 12.85	16.70 12.59	16.81 12.81	16.99 13.09	18.49 14.39	16.97 13.35	17.32 13.85	17.35 13.51	18.00 13.63	17.86 13.35	17.94 13.22	17.63 13.57	14
15	17.03 12.90	16.91 12.73	17.00 12.97	17.08 12.99	19.40 16.33	17.21 13.29	17.34 13.40	17.18 13.65	17.79 13.30	18.09 13.30	17.83 13.07	17.52 13.64	15
16	17.17 12.92	16.59 13.04	17.12 13.21	17.32 13.03	19.06 15.42	17.24 13.39	16.93 13.41	17.70 13.62	17.96 13.36	18.27 13.43	17.87 13.39	17.58 13.69	16
17	16.53 13.10	16.52 12.84	17.22 13.14	17.46 14.00	18.78 15.15	17.21 13.35	17.05 13.40	17.28 13.31	18.07 13.33	18.65 13.79	17.80 13.41	18.17 13.74	17
18	17.21 13.21	16.69 12.91	17.39 13.15	17.38 13.03	18.70 14.96	17.30 13.55	17.05 13.48	17.58 13.27	18.04 13.08	18.78 13.93	17.53 13.29	17.87 14.17	18
19	17.41 13.66	16.99 13.21	17.53 13.15	17.50 12.97	18.78 15.03	17.75 14.42	17.26 13.82	17.67 13.40	17.99 13.02	18.39 13.65	17.29 13.30	17.75 13.68	19
20	17.21 13.41	17.45 13.56	17.62 14.01	17.97 13.84	18.47 15.07	17.30 13.94	17.25 13.22	17.67 13.08	18.00 13.06	18.05 13.36	17.46 13.52	17.69 13.59	20
21	17.01 13.50	17.09 13.72	17.60 13.14	17.53 13.68	18.01 14.78	17.20 13.65	17.12 12.99	17.55 12.87	18.04 13.29	17.59 13.26	17.77 13.81	17.51 13.40	21
22	16.73 13.11	17.01 12.73	17.57 13.01	17.09 13.35	17.70 14.62	17.66 13.63	17.26 12.96	17.65 13.00	18.15 13.79	17.33 13.47	18.10 13.63	16.70 13.35	22
23	16.98 13.11	17.32 12.64	17.39 13.02	17.07 12.97	17.76 14.44	17.23 13.57	17.42 13.15	17.79 13.16	17.82 13.59	17.58 13.57	16.72 13.93	17.50 13.37	23
24	17.09 13.09	17.68 12.88	17.28 12.95	16.84 13.00	17.81 14.65	16.87 13.33	17.72 13.37	17.55 12.93	16.98 13.24	16.69 13.88	18.05 13.69	17.50 13.52	24
25	17.37 13.02	17.57 13.21	17.12 12.89	16.52 13.03	17.48 14.51	16.85 13.15	17.40 12.91	17.22 12.96	17.26 13.31	17.79 13.87	17.83 13.53	17.75 13.77	25
26	17.43 13.20	17.11 13.11	16.63 12.86	16.42 12.96	17.35 13.96	17.04 13.16	17.06 12.86	16.89 12.93	17.38 13.40	17.92 13.66	17.87 13.65	17.55 13.75	26
27	17.42 13.17	16.75 12.88	16.11 12.65	16.39 12.87	17.05 13.52	17.01 13.09	17.04 12.89	17.05 13.21	17.51 13.41	18.08 13.64	17.85 13.35	17.48 13.85	27
28	16.82 13.23	16.93 12.79	16.10 12.46	16.43 12.89	17.16 13.58	17.25 13.35	17.00 13.17	17.33 13.25	17.67 13.38	18.23 13.65	17.64 13.27	17.32 13.79	28
29	16.23 12.77	16.61 12.87	16.23 12.56	16.64 12.99		17.54 13.36	17.05 12.99	17.43 13.63	18.09 13.58	18.34 13.66	17.80 13.62	17.15 13.77	29
30	16.40 12.42	16.91 13.29	16.36 12.72	16.86 12.88		17.13 12.96	16.89 13.12	17.57 13.55	18.07 13.32	18.34 13.59	17.61 13.54	17.10 13.67	30
31	16.53 12.69		16.49 12.93	17.18 12.90		17.00 12.98		17.67 13.30		18.10 13.44	17.56 13.61		31
MAXIMUM	17.43	17.68	17.84	17.97	19.40	18.67	17.92	18.17	18.32	18.78	18.10	18.22	MAXIMUM
MINIMUM	12.42	12.57	12.46	12.62	12.91	12.96	12.74	12.67	13.01	13.16	13.07	13.35	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in thia table, it was necessary to avoid negative gage heighta. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
57 57 25	121 17 30	SW 2 1N 6E		11.0	12/26/55		NOV 33-DATE	1933 1958 1961		-3.37 -3.80 -3.93	USCOS USCOS USCOS

Station located at U. S. Coast Guard Stockton Channel Light Attendant Station on Center Street. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 336

* DAILY MAXIMUM AND MINIMUM TIDES

STOCKTON SHIP CHANNEL AT BURNS CUTOFF

in feet

STATION NO	WATER YEAR
895660	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.09 12.30	15.67 12.21	16.35 12.44	16.26 12.46	16.64 12.22	16.86 12.88	16.64 12.58	16.23 12.64	16.96 12.52	17.27 12.54	16.96 12.53	16.51 12.90	1
2	15.50 12.30	15.66 12.19	16.76 12.94	16.35 12.21	16.75 12.22	17.27 12.90	16.67 12.63	16.55 12.69	17.07 12.49	17.30 12.51	16.84 12.68	16.35 13.07	2
3	15.98 12.37	15.67 12.28	16.59 13.02	16.35 12.09	16.64 13.33	17.04 12.69	16.63 12.76	16.77 12.81	17.47 12.64	17.19 12.48	16.66 12.84	16.28 13.05	3
4	16.10 12.52	15.72 12.24	16.49 12.72	16.56 13.09	16.83 12.24	16.94 12.66	16.49 12.85	17.05 12.67	17.25 12.46	17.14 12.55	16.35 12.58	16.26 13.01	4
5	16.11 12.63	15.72 12.29	16.54 12.99	16.48 11.95	16.67 12.23	17.29 13.27	16.53 12.74	17.02 12.49	16.97 12.29	17.03 12.79	16.03 12.46	16.34 12.93	5
6	16.22 12.80	15.87 12.24	16.59 12.44	16.60 11.88	16.57 12.21	17.85 13.50	16.49 12.41	17.05 12.44	16.81 12.39	16.68 12.55	16.18 12.57	16.60 12.90	6
7	16.23 13.01	16.12 12.72	16.74 12.32	16.66 11.96	16.78 12.27	17.24 13.69	16.61 12.41	17.02 12.56	16.74 12.62	16.29 12.63	16.25 12.82	16.84 12.85	7
8	15.80 12.44	16.27 12.29	17.08 12.35	16.79 12.08	16.62 12.77	17.10 13.52	16.93 12.70	17.37 13.09	16.51 12.65	16.30 12.55	16.44 12.94	15.82 12.84	8
9	15.99 12.56	16.47 12.27	17.03 12.55	16.56 12.26	16.77 12.76	17.42 13.64	17.06 12.64	16.63 12.49	16.34 12.69	15.58 12.82	15.10 12.65	17.17 13.06	9
10	16.07 12.58	16.78 12.58	16.84 12.33	16.17 12.25	17.35 13.52	17.21 13.56	16.36 12.14	16.34 12.56	16.43 12.54	16.49 12.89	16.52 12.48	17.38 13.08	10
11	16.01 12.38	16.51 12.43	16.59 12.27	15.88 12.17	17.66 13.91	17.05 13.32	16.06 12.01	16.26 12.36	16.27 12.64	16.53 13.03	16.72 12.44	17.12 12.75	11
12	15.99 12.34	16.29 12.11	16.19 12.06	16.23 12.32	17.59 13.82	16.64 12.72	15.91 12.08	16.25 12.58	16.44 13.11	16.72 12.79	16.92 12.51	17.10 12.78	12
13	16.00 12.15	16.16 11.78	15.94 12.01	16.44 12.57	17.81 14.01	16.38 12.52	16.01 12.34	16.36 12.86	16.75 13.22	16.86 12.60	17.03 12.34	16.97 12.79	13
14	16.17 12.15	15.97 11.84	15.85E 12.09	16.20 12.34	17.74 13.75	16.20 12.63	16.51 13.11	16.58 12.81	17.16 12.92	17.08 12.63	17.14 12.49	16.78 12.79	14
15	16.22 12.19	16.19 12.04	15.84E 12.24	16.28 12.26	18.64 14.74	16.41 12.58	16.54 12.67	16.37 12.96	17.00 12.62	17.29 12.61	17.02 12.32	16.67 12.86	15
16	16.32 12.18	15.87 12.29	16.29 12.42	16.55 12.31	18.27 15.38	16.47 12.69	16.13 12.71	16.83 12.94	17.16 12.68	17.46 12.72	17.02 12.61	16.73 12.90	16
17	16.35 12.32	15.76 12.11	16.44 12.42	16.72 12.29	18.02 14.41	16.43 12.66	16.23 12.70	16.47 12.62	17.21 12.62	17.84 13.08	16.97 12.67	17.33 12.97	17
18	15.93 12.42	15.96 12.20	16.62 12.43	16.62 13.35	17.93 14.24	16.55 12.84	16.24 12.76	16.76 12.61	17.21 12.36	17.97 13.20	16.66 12.53	17.02 13.40	18
19	16.58 12.86	16.26 12.51	16.75 12.41	16.72 12.24	18.03 14.31	16.95 13.69	16.46 12.99	16.81 12.71	17.15 12.31	17.59 12.89	16.50 12.61	16.96 12.93	19
20	16.39 12.64	16.75 12.89	16.80 13.28	17.22 13.06	17.69 14.34	16.51 13.21	16.45 12.48	16.88 12.37	17.20 12.35	17.24 12.64	16.62 12.77	16.82 12.78	20
21	16.17 12.75	16.28 13.00	16.77 12.40	16.74 12.92	17.17 14.02	16.40 12.91	16.29 12.26	16.68 12.17	17.22 12.55	16.76 12.52	16.89 13.07	15.83 12.62	21
22	15.91 12.39	16.23 12.04	16.72 12.22	16.15 12.59	16.88 13.84	16.85 12.94	16.44 12.25	16.81 12.26	17.27 13.04	16.53 12.72	17.21 13.07	16.70 12.55	22
23	16.17 12.37	16.59 11.95	16.56 12.23	16.28 12.21	16.94 13.67	16.44 12.86	16.61 12.41	16.98 12.43	16.95 12.81	16.78 12.82	15.87 13.17	16.67 12.57	23
24	16.27 12.35	16.93 12.21	16.43 12.16	16.05 12.26	16.98 13.86	16.09 12.64	16.91 12.63	16.72 12.25	16.15 12.49	15.89 13.15	17.19 12.91	16.64 12.70	24
25	16.57 12.32	16.87 12.57	16.26 12.11	15.78 12.29	16.69 13.74	16.09 12.44	16.61 12.20	16.39 12.20	16.39 12.61	16.98 13.16	17.03 12.79	16.87 12.97	25
26	16.56 12.47	16.35 12.39	15.76 12.05	15.65 12.51	16.55 13.19	16.25 12.45	16.29 12.11	16.10 12.24	16.56 12.69	17.12 12.94	17.07 12.88	16.68 12.93	26
27	16.59 12.44	16.04 12.19	15.25 11.86	15.64 12.10	16.27 12.77	16.24 12.37	16.23 12.17	16.20 12.48	16.70 12.70	17.27 12.90	17.04 12.64	16.62 13.06	27
28	15.95 12.55	15.84 12.11	15.28 11.70	15.67 12.17	16.38 12.83	16.47 12.66	16.19 12.41	16.48 12.56	16.86 12.65	17.40 12.92	16.83 12.59	16.43 12.95	28
29	15.40 12.06	15.94 12.18	15.40 11.74	15.84 12.23		16.76 12.69	16.21 12.24	16.59 12.90	17.24 12.86	17.53 12.92	16.98 12.89	16.23 12.91	29
30	15.55 11.72	16.27 12.64	15.56 11.92	16.12 12.17		16.37 12.27	16.12 12.41	16.76 12.76	17.24 12.64	17.50 12.87	16.80 12.80	16.22 12.82	30
31	15.53 12.09		15.67 12.18	16.39 12.21		16.27 12.25		16.85 12.60		17.24 12.68	16.76 12.90		31
MAXIMUM	16.59	16.93	17.08	17.22	18.64	17.85	17.06	17.37	17.47	17.97	17.21	17.38	MAXIMUM
MINIMUM	11.72	11.78	11.70	11.88	12.21	12.25	12.01	12.17	12.29	12.48	12.32	12.55	MINIMUM

E – Estimated
NR – No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 57 46	121 21 54	SW 6 1N 6E					MAY 40-DATE	1940 1943 1945 1946 1951	1943 1945 1946 1951	-4.22 -4.39 -4.70 -3.00 -3.02	USCOS USCOS USCOS USCOS USCOS

Station located on north end of Rough and Ready Island, approx. 0.4 mi. above Burns Cutoff. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 337

* DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT RINDGE PUMP

in feet

STATION NO	WATER YEAR
895620	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.00 9.34	12.59 9.22	13.23 9.51	13.15 9.53	13.53 9.31	13.76 9.96	13.53 9.67	13.11 9.70	13.80 9.48	14.13 9.53	13.82 9.55	13.34 9.86	1
2	12.41 9.32	12.59 9.21	13.64 9.99	13.25 9.29	13.63 9.31	14.14 9.94	13.58 9.74	13.45 9.72	13.95 9.47	14.17 9.54	13.70 9.73	13.21 10.05	2
3	12.90 9.39	12.55 9.29	13.45 10.09	13.21 9.11	13.71 10.39	13.89 9.72	13.53 9.83	13.73 9.86	14.25 9.60	14.06 9.53	13.53 9.83	13.15 10.03	3
4	13.01 9.56	12.60 9.27	13.37 9.75	13.42 9.08	13.75 9.33	13.79 9.73	13.43 9.89	13.99 9.72	14.07 9.46	13.99 9.63	13.22 9.64	13.16 10.01	4
5	12.98 9.66	12.57 9.33	13.35 9.52	13.35 10.08	13.57 9.35	14.14 10.53	13.46 9.77	13.91 9.52	13.84 9.28	13.92 9.79	12.93 9.53	13.23 9.90	5
6	13.13 9.90	12.75 9.31	13.36 10.16	13.45 8.95	13.46 9.28	14.72 10.59	13.42 9.50	13.94 9.47	13.71 9.37	13.54 9.55	13.09 9.60	13.51 9.89	6
7	13.16 10.05	12.97 9.29	13.55 9.33	13.53 9.04	13.74 9.46	13.92 10.71	13.53 9.48	13.93 9.60	13.63 9.56	13.14 9.60	13.15 9.81	13.73 9.67	7
8	12.72 9.45	13.09 9.97	13.90 9.40	13.67 9.15	13.53 9.91	14.04 10.53	13.89 9.77	14.30 10.15	13.36 9.64	13.16 9.53	13.32 9.94	12.68 9.87	8
9	12.87 9.62	13.24 9.32	13.87 9.59	13.44 9.32	13.76 9.90	14.33 10.64	14.04 9.72	13.57 9.41	12.95 9.69	12.45 9.77	11.98 9.64	14.03 10.07	9
10	13.01 9.67	13.55 9.59	13.71 9.40	13.05 9.35	14.23 10.61	14.09 10.53	13.34 9.22	13.16 9.50	13.34 9.55	13.37 9.87	13.39 9.52	14.21 10.09	10
11	12.94 9.49	13.27 9.47	13.42 9.28	12.78 9.27	14.54 10.98	13.95 10.34	13.01 9.08	13.10 9.30	13.17 9.65	13.43 10.03	13.63 9.46	13.94 9.77	11
12	12.91 9.39	13.07 9.14	13.07 9.10	13.14 9.42	14.48 10.87	13.57 9.71	12.87 9.17	13.05 9.53	13.31 10.14	13.57 9.74	13.80 9.53	13.94 9.76	12
13	12.93 9.19	12.95 8.87	12.78 9.05	13.28 9.62	14.73 11.03	13.29 9.53	12.94 9.44	13.16 9.80	13.71 10.24	13.70 9.57	13.87 9.37	13.79 9.78	13
14	13.11 9.17	12.74 8.92	12.89 9.14	13.10 9.43	14.62 10.83	13.18 9.67	13.45 10.23	13.42 9.75	14.08 9.96	13.88 9.59	13.97 9.55	13.60 9.78	14
15	13.16 9.23	12.90 9.08	13.09 9.27	13.20 9.34	15.49 11.69	13.34 9.62	13.49 9.74	13.19 9.91	13.88 9.64	14.11 9.59	13.90 9.37	13.50 9.86	15
16	13.25 9.19	12.66 9.34	13.19 9.49	13.43 9.35	15.12 12.38	13.39 9.75	13.10 9.77	13.67 9.93	14.03 9.65	14.30 9.69	13.90 9.64	13.55 9.90	16
17	13.30 9.37	12.59 9.13	13.33 9.52	13.58 9.36	14.84 11.38	13.35 9.71	13.17 9.77	13.33 9.62	14.13 9.59	14.67 10.07	13.83 9.67	14.17 9.95	17
18	12.87 9.62	12.76 9.24	13.50 9.49	13.53 10.40	14.84 11.21	13.47 9.88	13.16 9.79	13.58 9.62	14.09 9.37	14.78 10.19	13.55 9.58	13.90 10.40	18
19	13.51 9.94	13.06 9.58	13.65 9.48	13.73 9.34	14.86 11.31	13.87 10.29	13.37 10.09	13.72 9.71	14.05 9.32	14.39 9.86	13.34 9.63	13.83 9.92	19
20	13.30 9.71	13.62 9.89	13.71 10.35	14.08 10.06	14.57 11.34	13.46 10.51	13.36 9.53	13.73 9.37	14.05 9.34	14.08 9.64	13.51 9.79	13.72 9.78	20
21	13.08 9.80	13.18 10.01	13.75 9.49	13.61 9.98	14.16 11.07	13.33 10.00	13.25 9.31	13.58 9.17	14.08 9.55	13.58 9.49	13.80 10.09	13.55 9.63	21
22	12.81 9.42	13.10 9.07	13.59 9.29	13.11 9.64	13.77 10.86	13.80 10.03	13.40 9.30	13.67 9.31	14.16 10.09	13.35 9.70	14.15 10.13	12.74 9.57	22
23	13.05 9.54	13.43 8.96	13.44 9.33	13.17 9.28	13.79 10.72	13.39 9.91	13.52 9.41	13.83 9.44	13.86 9.78	13.64 9.84	12.79 10.18	13.54 9.62	23
24	13.16 9.38	13.78 9.25	13.31 9.26	12.87 9.31	13.86 10.87	13.04 9.72	13.82 9.63	13.58 9.20	13.02 9.49	12.75 10.15	14.15 9.97	13.52 9.74	24
25	13.43 9.31	13.66 9.59	13.15 9.21	12.68 9.36	13.59 10.75	13.05 9.49	13.52 9.22	13.25 9.18	13.28 9.62	13.84 10.19	13.90 9.82	13.72 9.97	25
26	13.53 9.53	13.25 9.46	12.69 9.14	12.53 9.27	13.40 10.21	13.17 9.52	13.21 9.17	12.97 9.23	13.43 9.70	13.96 9.97	13.98 9.94	13.58 9.94	26
27	13.54 9.49	12.94 9.20	12.16 8.92	12.49 9.20	13.13 9.79	13.22 9.45	13.18 9.23	13.07 9.46	13.57 9.72	14.11 9.93	13.87 9.65	13.49 10.05	27
28	12.89 9.53	12.67 9.12	12.17 8.75	12.58 9.23	13.27 9.84	13.43 9.73	13.14 9.47	13.34 9.55	13.75 9.67	14.25 9.97	13.68 9.63	13.29 9.95	28
29	12.33 9.06	12.84 9.21	12.29 8.83	12.76 9.30		13.72 9.74	13.13 9.27	13.44 9.87	14.13 9.84	14.37 9.97	13.64 9.88	13.13 9.93	29
30	12.51 8.72	13.11 9.64	12.43 8.98	12.98 9.22		13.30 9.32	13.00 9.45	13.59 9.78	14.11 9.64	14.36 9.90	13.66 9.77	13.08 9.84	30
31	12.63 8.99		12.56 9.22	13.29 9.28		13.17 9.30		13.68 9.59		14.13 9.74	13.61 9.89		31
MAXIMUM	13.54	13.78	13.90	14.08	15.49	14.72	14.04	14.30	14.25	14.78	14.15	14.21	MAXIMUM
MINIMUM	8.72	8.87	8.75	8.95	9.28	9.30	9.08	9.17	9.28	9.49	9.37	9.57	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S	GAGE HT.	DATE			FROM	TO		
37 59 51	121 25 06	NW27 2N 5E		7.1	12/26/55 E		JUL 39-DATE	1939 1940 1940	1940	-2.2 0.00 3.0	USED USCGS USED

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 8 mi. NW of Stockton. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 338

* DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BACON ISLAND

STATION NO	WATER YEAR
895460	1962

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.95 12.58	15.58 12.46	16.21 12.80	16.03 12.70	16.43 12.47	16.65 13.05	16.41 12.89	16.07 12.98	16.76 12.68	17.04 12.89	16.78 12.79	16.34 13.13	1
2	15.34 12.54	15.57 12.46	16.53 13.16	16.11 12.46	16.57 12.52	16.96 13.09	16.46 12.96	16.36 13.02	16.84 12.65	17.07 12.69	16.68 12.91	16.21 13.29	2
3	15.84 12.41	15.54 12.57	16.36 13.32	16.16 12.36	16.59 12.53	16.72 12.88	16.39 13.09	16.63 13.12	17.17 12.78	16.93 12.79	16.50 12.95	16.13 13.26	3
4	15.95 12.79	15.59 12.49	16.27 13.05	16.32 13.34	16.76 12.56	16.72 12.89	16.32 13.11	16.87 13.00	16.96 12.62	17.02 12.83	16.18 12.82	16.12 13.26	4
5	15.97 12.90	15.55 12.57	16.27 12.72	16.26 12.30	16.51 13.46	17.02 13.74	16.34 12.94	16.86 12.82	16.76 12.32	16.89 13.04	15.86 12.70	16.22 13.19	5
6	16.09 13.15	15.73 12.55	16.35 13.40	16.37 12.22	16.39 12.58	17.55 13.75	16.28 12.71	16.87 12.78	16.72 12.63	16.55 12.83	16.05 12.82	16.48 13.17	6
7	16.07 13.17	15.94 13.02	16.53 12.59	16.39 12.27	16.70 12.69	16.98 13.87	16.37 12.70	16.86 12.88	16.59 12.82	16.15 12.84	16.12 13.04	16.74 13.09	7
8	15.68 12.76	16.09 12.54	16.85 12.66	16.66 12.38	16.45 13.12	16.85 13.69	16.72 12.96	17.23 13.36	16.38 12.87	16.16 12.77	16.31 13.19	15.70 13.11	8
9	15.82 12.84	16.29 12.54	16.81 12.80	16.45 12.64	16.73 13.19	17.17 13.89	16.88 12.92	16.50 12.69	15.95 12.92	16.35 13.01	14.99 12.91	17.06 13.31	9
10	15.93 12.89	16.62 12.79	16.62 12.63	16.04 12.66	17.16 13.80	17.00 13.74	16.24 12.46	16.23 12.77	16.28 12.75	15.22 13.05	16.37 12.73	17.19 13.30	10
11	15.88 12.74	16.33 12.74	16.37 12.57	15.77 12.54	17.45 14.14	16.82 13.53	15.97 12.34	16.12 12.55	16.15 12.87	16.32 13.24	16.61 12.75	16.94 12.99	11
12	15.82 12.62	16.19 12.37	16.02 12.33	16.16 12.67	17.42 14.04	16.51 12.97	15.79 12.39	16.09 12.75	16.24 13.31	16.57 13.04	16.82 12.79	16.90 13.03	12
13	15.87 12.79	15.97 12.09	15.77 12.27	16.29 12.86	17.71 14.21	16.24 12.76	15.87 12.66	16.17 13.03	16.58 13.44	16.67 12.82	16.89 12.67	16.77 13.07	13
14	16.06 12.39	15.79 12.14	15.82 12.33	16.08 12.66	17.54 14.01	16.17 12.86	16.32 13.45	16.41 13.01	16.98 13.16	16.88 12.87	16.97 12.79	16.57 13.04	14
15	16.08 12.44	15.94 12.29	16.02 12.46	16.16 12.54	18.34 14.81	16.29 12.84	16.38 13.00	16.17 13.15	16.78 12.86	17.08 12.87	16.87 12.66	16.44 13.14	15
16	16.22 12.42	15.72 12.63	16.11 12.72	16.39 12.58	17.94 15.51	16.33 12.99	15.98 13.02	16.58 13.22	16.96 12.86	17.24 12.94	16.87 12.91	16.49 13.22	16
17	16.27 12.62	15.62 12.39	16.27 12.75	16.55 12.61	17.72 14.49	16.29 12.94	16.10 13.03	16.30 12.86	17.08 12.82	17.62 13.34	16.81 12.94	17.05 13.27	17
18	15.79 12.75	15.78 12.46	16.44 12.71	16.55 12.56	17.79 14.33	16.38 13.14	16.09 13.10	16.52 12.79	17.01 12.62	17.74 13.44	16.52 12.84	16.83 13.71	18
19	16.47 13.15	16.09 12.79	16.55 12.70	16.84 13.24	17.71 14.39	16.74 13.97	16.27 13.32	16.60 12.81	16.99 12.55	17.35 13.14	16.29 12.89	16.78 13.24	19
20	16.30 12.97	16.49 13.22	16.64 13.57	17.09 14.44	17.43 14.45	16.36 13.54	16.28 12.73	16.57 12.47	16.97 12.59	17.03 12.89	16.47 13.09	16.67 13.07	20
21	16.03 13.00	16.05 12.34	16.59 12.70	16.59 13.20	17.09 14.18	16.22 13.24	16.15 12.62	16.44 12.47	17.02 12.74	16.58 12.73	16.79 13.32	16.52 12.90	21
22	15.75 12.65	16.03 13.03	16.56 12.51	16.13 12.89	16.79 14.10	16.66 13.27	16.30 12.60	16.73 12.55	17.09 13.22	16.33 12.91	17.11 13.37	15.71 12.84	22
23	15.97 12.77	16.40 12.26	16.39 12.55	16.19 12.54	16.79 13.93	16.31 13.14	16.50 12.70	16.87 12.69	16.81 12.99	16.59 13.07	15.77 13.43	16.52 12.87	23
24	16.10 12.63	16.71 12.56	16.25 12.46	15.93 12.49	16.74 14.03	15.98 12.92	16.73 12.85	16.59 12.47	15.98 12.68	15.75 13.37	17.09 13.21	16.49 13.04	24
25	16.38 12.58	16.61 12.94	16.10 12.43	15.62 12.56	16.46 13.88	15.95 12.74	16.44 12.49	16.28 12.43	16.22 12.74	16.79 13.42	16.89 13.05	16.69 13.24	25
26	16.49 12.77	16.18 12.79	15.68 12.34	15.47 12.49	16.29 13.29	16.09 12.74	16.15 12.38	16.02 12.51	16.36 12.89	16.94 13.22	16.92 13.16	16.54 13.24	26
27	16.49 12.77	15.84 12.48	15.16 12.15	15.47 12.36	16.04 12.89	16.14 12.67	16.15 12.53	16.09 12.76	16.49 12.90	17.09 13.18	16.85 12.89	16.45 13.32	27
28	15.87 12.79	15.70 12.41	15.16 11.94	15.51 12.37	16.22 12.95	16.35 12.89	16.08 12.74	16.36 12.81	16.64 12.86	17.20 13.17	16.67 12.79	16.27 13.24	28
29	15.36 12.31	15.89 12.46	15.24 12.03	15.69 12.45		16.62 12.97	16.10 12.60	16.42 13.11	16.99 13.02	17.29 13.21	16.80 13.12	16.09 13.19	29
30	15.50 11.96	16.10 12.88	15.38 12.17	15.94 12.44		16.25 12.58	15.94 12.70	16.53 12.97	17.01 12.78	17.32 13.14	16.65 13.04	16.05 13.13	30
31	15.66 12.73		15.53 12.39	16.34 12.47		16.12 12.59		16.61 12.77		17.08 12.94	16.58 13.17		31
MAXIMUM	16.49	16.71	16.85	17.09	18.34	17.55	16.88	17.23	17.17	17.74	17.11	17.19	MAXIMUM
MINIMUM	11.96	12.09	11.94	12.22	12.47	12.58	12.34	12.43	12.32	12.69	12.66	12.84	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in thia table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 00 07	121 31 22	SW22 2N 4E					OCT 48-DATE	1948		-2.94	USCOS

Station located at NE corner of Bacon Island at junction of Middle River and Connection Slough. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 339

* DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR ROCK SLOUGH

in feet

STATION NO	WATER YEAR
895180	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.97 12.49	15.48 12.44	16.27 12.85	16.05 12.81	16.37 12.56	16.70 13.16	16.34 12.87	15.99 12.95	16.72 12.72	17.04 12.79	16.70 12.78	16.22 13.09	1
2	15.38 12.61	15.48 12.45	16.58 13.31	16.15 12.58	16.47 12.55	16.97 13.16	16.36 12.95	16.28 12.98	16.83 12.73	17.05 12.74	16.59 12.88	16.12 13.27	2
3	15.89 12.44	15.43 12.55	16.38 13.34	16.13 12.37	16.54 13.58	16.72 12.95	16.30 13.09	16.53 13.05	17.18 12.85	16.97 12.77	16.42 12.94	16.04 13.26	3
4	15.96 12.44	15.47 12.52	16.28 13.03	16.33 12.35	16.56 12.58	16.69 12.99	16.25 13.14	16.78 12.95	17.00 12.69	16.92 12.80	16.08 12.78	16.02 13.21	4
5	15.96 12.41	15.46 12.61	16.27 12.75	16.26 13.33	16.40 12.61	16.97 13.90	16.25 12.89	16.77 12.76	16.79 12.55	16.83 13.01	15.75 12.65	16.11 13.17	5
6	16.09 13.14	15.65 12.57	16.33 13.45	16.35 12.25	16.33 12.58	17.52 13.80	16.22 12.67	16.80 12.73	16.67 12.59	16.49 12.80	15.89 12.75	16.39 13.12	6
7	15.93 13.09	15.85 13.02	16.49 12.66	16.39 12.34	16.61 12.75	16.94 13.92	16.29 12.63	16.76 12.79	16.55 12.79	16.09 12.81	16.00 12.97	16.66 13.08	7
8	15.57 12.74	16.01 12.55	16.83 12.69	16.59 12.44	16.38 13.17	16.82 13.69	16.64 12.89	17.15 13.34	16.36 12.84	16.07 12.74	16.19 13.14	15.59 13.10	8
9	15.72 12.42	16.23 12.61	16.78 12.84	16.36 12.66	16.64 13.25	17.07 13.84	16.76 12.84	16.45 12.67	15.92 12.89	15.37 12.67	14.88 12.84	16.96 13.29	9
10	15.83 12.86	16.53 12.82	16.63 12.71	15.94 12.69	17.09 13.84	16.91 13.68	16.16 12.37	16.17 12.67	16.26 12.75	16.25 13.04	16.25 12.67	17.14 13.29	10
11	15.78 12.70	16.28 12.78	16.35 12.58	15.66 12.55	17.33 14.13	16.74 13.44	15.80 12.26	16.03 12.50	16.10 12.84	16.24 13.22	16.48 12.69	16.85 13.02	11
12	15.73 12.61	16.14 12.42	15.96 12.34	16.04 12.68	17.33 14.02	16.46 12.96	15.73 12.29	15.98 12.69	16.22 13.31	16.47 12.99	16.69 12.75	16.81 13.07	12
13	15.79 12.41	15.93 12.20	15.73 12.30	16.15 12.88	17.55 14.19	16.20 12.76	15.79 12.60	16.07 13.03	16.59 13.50	16.54 12.77	16.76 12.62	16.69 13.08	13
14	15.98 12.41	15.77 12.22	15.80 12.38	15.99 12.68	17.42 14.04	16.15 12.87	16.22 13.33	16.31 13.00	16.95 13.22	16.72 12.83	16.85 12.77	16.48 13.06	14
15	16.02 12.44	15.91 12.34	16.00 12.55	16.06 12.59	18.23 14.83	16.26 12.84	16.29 12.95	16.11 13.19	16.79 12.86	16.92 12.84	16.75 12.63	16.38 13.14	15
16	16.15 12.44	15.64 12.68	16.12 12.78	16.30 12.63	17.88 14.53	16.29 12.99	15.89 12.95	16.46 13.22	16.93 12.87	17.12 12.89	16.72 12.88	16.45 13.22	16
17	16.22 12.64	15.57 12.44	16.25 12.83	16.45 12.65	17.67 14.37	16.25 12.94	15.98 12.98	16.26 12.86	17.04 12.82	17.49 13.32	16.69 12.91	16.99 13.30	17
18	15.73 12.76	15.74 12.53	16.41 12.79	16.40 12.63	17.75 15.23	16.32 13.12	15.99 13.01	16.50 12.84	16.97 12.63	17.61 13.39	16.41 12.87	16.81 13.72	18
19	16.39 13.15	16.03 12.86	16.54 12.76	16.73 13.83	17.70 14.46	16.64 13.97	16.21 13.25	16.59 12.87	16.93 12.59	17.24 13.14	16.19 12.86	16.75 13.24	19
20	16.23 12.97	16.49 13.16	16.59 13.60	16.98 13.26	17.40 14.53	16.29 13.52	16.21 12.72	16.61 12.49	16.94 12.61	16.90 12.86	16.34 13.05	16.62 13.04	20
21	15.96 13.00	16.07 13.26	16.57 12.76	16.47 13.20	17.01 14.24	16.12 13.22	16.07 12.56	16.48 12.42	16.99 12.74	16.48 12.72	16.67 13.32	NR NR	21
22	15.69 12.67	16.01 12.36	16.51 12.62	16.03 12.93	16.68 14.05	16.55 13.24	16.23 12.56	16.65 12.54	17.03 13.20	16.74 12.87	16.96 13.35	NR NR	22
23	15.88 12.78	16.35 12.30	16.37 12.63	16.06 12.54	16.67 13.93	16.22 13.10	16.41 12.65	16.78 12.67	16.79 13.02	16.51 13.07	15.69 13.36	NR NR	23
24	16.01 12.64	16.73 12.58	16.25 12.56	15.80 12.54	16.73 14.09	15.89 12.87	16.62 12.79	16.54 12.46	15.96 12.72	15.67 13.34	16.96 13.18	NR NR	24
25	16.28 12.60	16.66 12.97	16.11 12.51	15.53 12.60	16.51 13.95	15.86 12.69	16.38 12.44	16.24 12.42	16.22 12.78	16.71 13.39	16.77 13.01	NR NR	25
26	16.41 12.77	16.21 12.78	15.68 12.43	15.42 12.50	16.33 13.42	16.02 12.72	16.10 12.34	15.95 12.49	16.34 12.94	16.81 13.20	16.79 13.13	NR NR	26
27	16.38 12.73	15.88 12.52	15.13 12.24	15.36 12.39	16.08 13.00	16.09 12.64	16.09 12.49	16.04 12.76	16.46 12.95	16.98 13.16	16.77 12.87	NR NR	27
28	15.77 12.77	15.72 12.43	15.13 12.04	15.40 12.43	16.26 13.05	16.30 12.89	16.01 12.66	16.32 12.85	16.64 12.91	17.09 13.16	16.55 12.79	NR NR	28
29	15.27 12.76	15.93 12.52	15.24 12.09	15.61 12.49		16.58 12.92	16.02 12.53	16.38 13.15	17.05 13.11	17.19 13.18	16.72 13.10	NR NR	29
30	15.43 11.94	16.17 12.93	15.36 12.24	15.83 12.44		16.23 12.56	15.86 12.66	16.62 13.02	17.02 12.86	17.22 13.11	16.53 12.96	NR NR	30
31	15.57 12.20		15.49 12.47	16.18 12.53		16.06 12.53		16.60 12.81		16.96 12.92	16.49 13.16		31
MAXIMUM	16.41	16.73	16.83	16.98	18.23	17.52	16.76	17.15	17.18	17.61	16.96	NR	MAXIMUM
MINIMUM	11.94	12.20	12.04	12.25	12.55	12.53	12.26	12.42	12.55	12.72	12.62	NR	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R M.D.B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 59 25	121 54 49	SW30 2N 4E		10.0	12/26/55		MAR 45-DATE	1945 1945		0.00 -3.0	USED USCGS

Station located in Holland Tract, 1.2 mi. N of Rock Slough, 4.7 mi. NE of Knightsen. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 340

* DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT HOLLAND TRACT

in feet

STATION NO	WATER YEAR
895140	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.53 13.30	16.17E 13.22E	16.93 13.59	16.79 13.58	16.97 13.25	17.32E 13.96E	17.09 13.67	NR NR	17.47 13.52	17.78 13.54	17.49 13.63	17.08 13.95	1
2	16.42 13.27	16.23E 13.27E	17.22 14.00	16.88 13.35	17.07 13.23	17.63 13.87	17.14 13.75	NR NR	17.59 13.49	17.79 13.54	17.37 13.70	16.94 14.13	2
3	16.06 13.32	16.12E 13.38E	17.00 14.07	16.82 13.16	17.15 14.27	17.37 13.65	17.05 13.87	NR NR	17.91 13.67	17.71 13.57	17.22 13.73	16.85 14.10	3
4	16.52 13.51	16.23E 13.43E	16.94 13.75	16.97 13.03	17.12 13.27	17.36 13.71	16.99 13.88	NR NR	17.67 13.52	17.67 13.57	16.89 13.62	16.86 14.09	4
5	16.56 13.65	16.18E 13.49E	16.94 13.52	17.03 14.08	17.00 13.25	NR NR	16.95 13.74	NR NR	17.53 13.33	17.59 13.79	16.59 13.53	16.94 14.03	5
6	16.67 13.87	16.37E 13.54E	17.01 14.20	17.11 13.00	16.97 13.25	NR NR	16.94 13.48	NR NR	17.39 13.39	17.22 13.63	16.73 13.63	17.22 13.99	6
7	16.62 13.84	16.59E 13.97E	17.17 13.42	17.13 13.10	17.24 13.44	NR NR	17.00 13.47	NR NR	17.27 13.57	16.87 13.61	16.84 13.82	17.47 13.93	7
8	16.21 13.47	16.69 13.49E	17.46 13.47	17.35 13.21	17.03 13.89	NR NR	17.39 13.72	NR NR	17.09 13.67	16.83 13.54	17.01 13.98	16.42 13.94	8
9	16.40 13.55	16.82 13.30	17.45 13.60	17.08 13.40	17.27 13.95	NR NR	17.49 13.68	NR NR	16.67 13.69	17.04 13.78	17.07 13.73	17.77 14.16	9
10	16.47 13.63	17.15 13.52	17.26 13.48	16.70 13.40	17.69 14.53	NR NR	16.86 13.23	NR NR	17.00 13.51	15.96 13.86	15.76 13.53	17.94 14.15	10
11	16.41 13.45	16.91 13.44	17.03 13.32	16.43 13.32	17.96 14.79	NR NR	16.64 13.16	NR NR	16.86 13.64	17.04 14.07	17.32 13.54	17.68 13.86	11
12	16.41 13.32	16.72 13.10	16.64 13.16	16.82 13.37	17.94 14.71	NR NR	16.46 13.19	NR NR	16.97 14.11	17.25 13.83	17.53 13.57	17.61 13.87	12
13	16.42 13.16	16.58 12.89	16.42 13.10	16.92 13.64	18.14 14.90	NR NR	16.54 13.45	NR NR	17.32 14.27	17.34 13.62	17.57 13.43	17.49 13.88	13
14	16.62 13.15	16.41 12.94	16.49 13.15	16.73 13.43	18.01 14.72	NR NR	16.95 14.21	NR NR	17.71 13.99	17.56 13.65	17.67 13.63	17.26 13.89	14
15	16.64 13.16	16.54 13.04	16.67 13.30	16.78 13.36	18.79 15.47	NR NR	17.03 13.79	NR NR	17.51 13.68	17.75 13.69	17.58 13.45	17.17 13.94	15
16	16.75 13.17	16.33 13.37	16.76 13.52	17.06 13.38	18.42 15.19	NR NR	16.64 13.80	NR NR	17.69 13.71	17.89 13.77	17.56 13.72	17.22 14.01	16
17	16.82 13.33	16.24 13.14	16.93 13.60	17.22 13.38	18.22 15.86	NR NR	16.73 13.83	NR NR	17.77 13.64	18.27 14.21	17.50 13.74	17.76 14.09	17
18	16.37 13.49	16.41 13.27	17.09 13.57	17.18 14.43	18.29 15.02	NR NR	16.73 13.86	17.25 13.64	17.72 13.46	18.43 14.29	17.22 13.70	17.57 14.51	18
19	17.03 13.84	16.68 13.59	17.21 13.54	17.50 13.38	18.23 15.12	NR NR	16.91 14.10	17.32 13.65	17.69 13.39	18.04 14.03	17.00 13.69	17.54 14.05	19
20	16.82 13.72	17.19 13.85	17.32 14.38	17.72 14.02	18.00 15.18	NR NR	16.93 13.56	17.32 13.28	17.69 13.42	17.70 13.82	17.18 13.88	17.41 13.87	20
21	16.61 13.71	16.78 13.98	17.17 13.49	17.22 13.90	17.57 14.88	NR NR	16.80 13.39	17.22 13.19	17.74 13.57	17.26 13.60E	17.49 14.18	17.25 13.71	21
22	16.36 13.39	16.71 13.07	17.20 13.31	16.71 13.67	17.24 14.71	NR NR	16.95 13.40	17.33 13.29	17.80 14.04	17.03 13.79	17.80 14.18	16.46 13.64	22
23	16.58 13.49	17.10 13.04	17.04 13.38	16.78 13.29	17.23 14.67	16.93 13.85	17.15 13.45	17.46 13.42	17.55 13.81	17.29 13.99	16.53 14.23	17.25 13.67	23
24	16.68 13.38	17.37 13.28	16.88 13.29	16.48 13.27	17.29 14.75	16.56 13.61	17.35 13.64	17.24 13.24	16.72 13.47	17.51 14.21	17.79 14.02	17.22 13.82	24
25	16.91 13.34	17.26 13.71	16.73 13.25	16.23 13.35	17.09 14.61	16.53 13.43	17.08 13.28	16.93 13.22	16.97 13.61	16.33 14.27	17.64 13.88	17.43 14.09	25
26	17.04 13.54	16.82 13.51	16.32 13.15	16.12 13.23	16.87 14.09	16.68 13.45	NR NR	16.70 13.27	17.11 13.74	17.64 14.00	17.64 13.97	17.27 14.08	26
27	17.04 13.54	16.51 13.25	15.76 12.93	16.04 13.13	16.69E 13.75E	16.70 13.39	NR NR	16.76 13.55	17.24 13.77	17.79 13.95	17.62 13.76	17.21 14.12	27
28	16.43 13.56	16.41 13.16	15.77 12.74	16.08 13.15	16.87E 13.78E	16.98 13.63	NR NR	17.04 13.64	17.37 13.72	17.88 13.95	17.38 13.67	17.01 14.06	28
29	15.98 13.04	16.60 13.22	15.89 12.81	16.34 13.24		17.27 13.69	NR NR	17.14 13.94	17.76 13.86	18.02 14.03	17.55 13.96	16.77 13.99	29
30	16.14 12.73	16.80 13.67	15.98 12.96	16.51 13.14		16.93 13.33	NR NR	17.26 13.83	17.76 13.67	18.05 13.96	17.35 13.84	16.76 13.92	30
31	16.22 12.97		16.13 13.20	16.79 13.21		16.79 13.30		17.33 13.63		17.78 13.78	17.31 13.98		31
MAXIMUM	17.04	17.37	17.46	17.72	18.79	NR	NR	NR	17.91	18.43	17.80	17.94	MAXIMUM
MINIMUM	12.73	12.89	12.74	13.00	13.23	NR	NR	NR	13.33	13.54	13.43	13.64	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R M.D.&B.M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 00 26	121 34 47	NW19 2N 4E					SEP 51-DATE	1951	1955	-2.61	USCGS

Station located approx. 1.5 mi. S of NE corner of Holland Tract. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 341

* DAILY MAXIMUM AND MINIMUM TIDES

ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

in feet

STATION NO	WATER YEAR
B95220	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.03 12.59	15.77 12.49	16.44 12.98	16.23 12.84	16.49 12.51	NR NR	16.41 12.88	16.09 12.92	16.84 12.72	17.13 12.77	16.78 12.79	16.33 13.06	1
2	15.43 12.55	15.69 12.46	16.70 13.36	16.31 12.60	16.58 13.62	NR NR	16.46 12.94	16.37 12.95	16.93 12.69	17.15 12.76	16.68 12.81	16.19 13.25	2
3	15.93 12.60	15.59 12.60	16.53 13.40	16.29 12.42	16.63 12.53	16.85 12.98	16.37 13.07	16.65 13.00	17.25 12.84	17.08 12.80	16.48 12.87	16.15 13.22	3
4	16.03 12.61	15.64 12.57	16.43 13.11	16.41 13.36	16.67 12.57	16.83 13.06	16.34 13.10	16.86 12.91	17.07 12.68	17.02 12.81	16.17 12.73	16.13 13.22	4
5	16.05 12.92	15.62 12.66	16.41 12.95	16.38 12.30	16.49 12.59	17.12 14.11	16.36 12.86	16.86 12.73	16.89 12.55	16.94 13.01	15.83 12.63	16.23 13.18	5
6	16.18 13.15	15.81 12.62	16.51 13.54	16.50 12.25	16.38 12.56	17.66 13.87	16.30 12.66	16.87 12.70	16.74 12.55	16.58 12.73	15.99 12.74	16.56 13.12	6
7	16.14 13.15	16.02 13.09	16.70 12.73	16.57 12.35	16.69 12.74	17.08 13.99	16.39 12.64	16.85 12.76	16.64 12.76	16.16 12.75	16.09 12.92	16.81 13.11	7
8	15.76 12.82	16.17 12.59	17.07 12.74	16.75 12.50	16.42 13.12	16.95 13.76	16.72 12.88	17.24 13.20	16.40 12.80	16.15 12.69	16.26 13.12	17.13 13.13	8
9	15.93 12.91	16.35 12.65	17.03 12.92	16.53 12.74	16.71 13.32	17.19 13.86	NR NR	16.57 12.67	15.99 12.89	16.33 12.93	16.34 12.82	16.12 13.32	9
10	15.99 12.93	16.65 12.83	16.86 12.76	16.15 12.79	17.16 13.79	17.02 13.68	NR NR	16.27 12.67	16.29 12.70	15.23 12.98	15.00 12.65	17.32 13.32	10
11	15.94 12.76	16.38 12.79	16.56 12.65	15.90 12.59	17.40 14.08	16.85 13.47	NR NR	16.15 12.53	16.21 12.84	16.33 13.19	16.56 12.68	17.01 13.05	11
12	15.94 12.70	16.23 12.43	16.22 12.43	16.22 12.74	17.38 13.99	16.59 13.02	15.84 12.33	16.10 12.73	16.29 13.29	16.55 12.97	16.76 12.70	16.98 13.06	12
13	15.96 12.47	16.05 12.21	15.96 12.35	16.28 12.90	17.64 14.19	16.34 12.80	15.93 12.62	16.22 13.07	16.65 13.45	16.64 12.75	16.83 12.57	16.85 13.08	13
14	16.18 12.49	15.87 12.23	16.03 12.45	16.18 12.69	17.52 14.07	16.33 12.91	16.27 13.33	16.44 13.03	17.01 13.17	16.85 12.78	16.90 12.73	16.64 13.06	14
15	16.16 12.49	16.00 12.47	16.21 12.60	16.18 12.55	18.29 14.84	16.37 12.87	16.38 12.94	16.25 13.21	16.81 12.87	17.06 12.79	16.82 12.55	16.53 13.14	15
16	16.29 12.46	15.75 12.68	16.32 12.81	16.46 12.61	17.99 14.56	16.45 13.02	16.00 12.95	16.54 13.26	17.02 12.87	17.24 12.88	16.83 12.80	16.58 13.21	16
17	16.34 12.64	15.66 12.43	16.47 12.89	16.59 12.62	17.74 15.19	16.38 12.96	16.11 12.97	16.40 12.87	17.12 12.84	17.62 13.25	16.77 12.87	17.12 13.27	17
18	15.87 12.78	15.84 12.54	16.63 12.84	16.50 13.62	17.86 14.37	16.46 13.15	16.05 13.00	16.64 12.86	17.07 12.66	17.72 13.34	16.50 12.75	16.91 13.67	18
19	16.54 13.19	16.14 12.87	16.78 12.80	16.84 12.55	17.79 14.52	16.76 13.99	16.26 13.14	16.71 12.85	17.02 12.59	17.36 13.09	16.27 12.83	16.86 13.22	19
20	16.41 12.95	16.53 13.14	16.79 13.66	17.03 13.14	17.54 14.57	16.45 13.60	16.26 12.67	16.73 12.59	16.96 12.57	17.01 12.83	16.42 13.00	16.71 13.02	20
21	16.13 13.41	16.16 13.28	16.79 12.79	16.55 13.15	NR NR	16.25 13.27	16.15 12.54	16.60 12.40	17.04 12.72	16.56 12.68	16.74 13.29	16.59 12.87	21
22	15.81 12.66	16.14 12.40	16.73 12.63	16.14 12.90	NR NR	16.66 13.29	16.32 12.53	16.72 12.47	17.09 13.20	16.34 12.85	17.05 13.29	15.76 12.77	22
23	16.07 12.84	16.49 12.36	16.56 12.63	16.17 12.54	NR NR	16.35 13.14	16.49 12.62	16.82 12.58	16.87 12.99	16.61 13.03	15.77 13.36	16.56 12.81	23
24	16.17 12.72	16.85 12.63	16.42 12.57	15.96 12.51	NR NR	16.03 12.89	16.68 12.75	16.61 12.43	16.04 12.71	15.74 13.28	17.05 13.15	16.53 12.97	24
25	16.41 12.67	16.79 13.02	16.30 12.50	15.64 12.64	NR NR	15.98 12.69	16.44 12.39	16.28 12.38	16.27 12.73	16.80 13.35	16.85 12.98	16.74 13.21	25
26	16.56 12.81	16.32 12.86	15.62 12.44	15.55 12.47	NR NR	16.14 12.71	16.18 12.30	16.05 12.49	16.39 12.91	16.91 13.15	16.92 13.11	16.61 13.20	26
27	16.57 12.77	15.99 12.56	15.28 12.21	15.47 12.36	NR NR	16.18 12.62	16.16 12.44	16.15 12.73	16.55 12.90	17.08 13.09	16.84 12.83	16.50 13.28	27
28	15.95 12.84	15.84 12.47	15.28 12.04	15.53 12.40	NR NR	16.36 12.86	16.11 12.60	16.43 12.84	16.71 12.87	17.18 13.08	16.64 12.76	16.31 13.20	28
29	15.47 12.35	16.09 12.53	15.40 12.08	15.71 12.52		16.68 12.91	16.11 12.49	16.45 13.15	17.11 13.07	17.29 13.11	16.80 13.05	16.11 13.15	29
30	15.64 12.90	16.30 13.01	15.55 12.21	15.99 12.44		16.29 12.54	15.94 12.63	16.63 13.02	17.09 12.85	17.32 13.06	16.61 12.95	16.08 13.10	30
31	15.77 12.77		15.70 12.53	16.26 12.50		16.14 12.51		16.73 12.80		17.08 12.89	16.56 13.10		31
MAXIMUM	16.97	16.85	17.07	17.03	NR	NR	NR	17.24	17.25	17.72	17.05	17.32	MAXIMUM
MINIMUM	12.00	12.21	12.04	12.25	NR	NR	NR	12.38	12.55	12.68	12.55	12.77	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 58 35	121 58 19	SW34 2N 3E					OCT 44-FEB 46 DEC 46-DATE	1944 1952 1953	1952 1953	0.40 0.50 4.3	USCGS USCGS USCGS

Station located at Contra Costa Canal intake approx. 1.5 mi. NE of Knightsen. Station affected by tidal action. Maximum gage ht. listed likely indicate maximum discharge.

TABLE 342

DAILY MAXIMUM AND MINIMUM TIDES *

SAN JOAQUIN RIVER AT VENICE ISLAND

in feet

STATION NO	WATER YEAR
895580	1962

DATE	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.51 13.06	16.05 12.92	16.77 13.24	16.57 13.20	16.96 12.99	17.24 13.61	16.88 13.30	16.54 13.40	17.31 13.20	17.59 13.23	17.29 13.23	NR NR	1
2	16.39 13.04	16.07 12.93	17.06 13.69	16.66 12.98	17.05 12.98	17.54 13.61	16.94 13.40	16.84 13.43	17.43 13.20	17.64 13.22	17.18 13.37	NR NR	2
3	16.01 13.09	16.03 13.04	16.88 13.77	16.63 12.82	17.14 14.04	17.29 13.39	16.88 13.54	17.12 13.53	17.77 13.33	17.54 13.22	17.01 13.45	NR NR	3
4	16.49 13.25	16.06 13.00	16.81 13.46	16.83 12.77	17.16 13.05	17.25 13.43	16.79 13.62	17.38 13.41	17.57 13.16	17.50 13.25	16.68 13.31	NR NR	4
5	16.51 13.36	16.03 13.07	16.79 13.20	16.77 13.74	17.00 13.04	17.61 14.37	16.84 13.39	17.33 13.23	17.35 13.01	17.39 13.49	16.37 13.19	NR NR	5
6	16.60 13.62	16.20 13.05	16.88 13.12	16.87 12.68	16.92 13.05	18.19 14.25	16.77 13.16	17.35 13.19	17.23 13.12	17.03 13.25	16.56 13.29	NR NR	6
7	16.59 13.43	16.42 13.51	17.09 14.03	16.90 12.73	17.25 13.19	17.62 14.42	16.87 13.13	17.34 13.29	17.10 13.25	16.64 13.25	16.62 13.47	17.22 13.55	7
8	16.14 13.27	16.57 13.03	17.39 13.17	17.11 12.84	16.97 13.58	17.47 14.27	17.22 13.48	17.73 13.82	16.87 13.30	16.64 13.22	16.81 13.64	16.16 13.58	8
9	16.35 13.37	16.73 13.00	17.34 13.30	16.85 13.04	17.20 13.67	17.79 14.44	17.35 13.33	16.97 13.11	16.45 13.37	16.85 13.45	15.42 13.36	17.50 13.69	9
10	16.45 13.40	17.04 13.25	17.15 13.17	16.53 13.05	17.69 14.25	17.62 14.35	16.69 12.87	16.69 13.19	16.79 13.22	15.70 13.55	16.88 13.17	17.63 13.67	10
11	16.40 13.22	16.77 13.15	16.90 13.01	16.26 13.01	17.95 14.58	17.47 14.13	16.40 12.73	16.58 12.95	16.68 13.30	16.84 13.73	17.12 13.19	17.39 13.42	11
12	16.34 13.13	16.56 12.82	16.54 12.84	16.65 13.15	17.94 14.46	17.09 13.54	16.23 12.80	16.58 13.22	16.78 13.77	17.10 13.49	17.29 13.24	17.35 13.46	12
13	16.40 12.91	16.39 12.55	16.29 12.80	16.77 13.36	18.22 14.64	16.84 13.33	16.33 13.07	16.66 13.51	17.15 13.94	17.19 13.27	17.38 13.13	17.26 13.48	13
14	16.56 12.89	16.22 12.60	16.33 12.85	16.61 13.17	18.04 14.50	16.81 13.48	16.76 13.84	16.92 13.50	17.55 13.63	17.39 13.33	17.47 13.26	17.05 13.47	14
15	16.61 12.92	16.32 12.76	16.53 12.98	16.67 13.07	18.91 15.28	16.92 13.43	16.85 13.39	16.68 13.65	17.35 13.32	17.59 13.33	NR NR	16.93 13.56	15
16	16.73 12.97	16.13 13.04	16.63 13.19	16.80 13.09	18.52 16.00	16.95 13.53	16.43 13.41	17.11 13.68	17.52 13.36	17.78 13.42	NR NR	16.94 13.57	16
17	16.75 13.09	16.07 12.83	16.79 13.27	17.06 13.10	18.27 15.03	16.90 13.47	16.51 13.40	16.85 13.36	17.62 13.32	18.17 13.79	NR NR	17.51 13.64	17
18	16.28 13.23	16.25 12.92	16.91 13.21	17.01 13.12	18.34 14.86	16.97 13.70	16.48 13.43	17.09 13.30	17.56 13.10	18.29 13.90	NR NR	17.28 14.05	18
19	16.96 13.63	16.55 13.24	17.07 13.20	17.31 14.76	18.27 14.89	17.35 14.08	16.71 13.69	17.18 13.34	17.53 13.03	17.91 13.63	NR NR	17.26 13.60	19
20	16.77 13.43	16.98 13.54	17.09 14.01	17.58 13.78	17.98 14.95	16.93 14.26	16.71 13.10	17.18 13.03	17.50 13.05	17.56 13.37	NR NR	17.16 13.43	20
21	16.54 13.48	16.57 13.68	17.07 13.15	17.08 13.70	17.55 14.67	16.79 13.78	16.59 12.98	17.04 12.85	17.55 13.22	17.09 13.23	NR NR	17.00 13.29	21
22	16.27 13.13	16.50 12.78	17.03 13.03	16.58 13.22	17.20 14.49	17.27 13.80	16.75 12.99	17.18 12.97	17.61 13.69	16.85 13.39	NR NR	16.15 13.21	22
23	16.48 13.28	16.85 12.68	16.89 13.04	16.62 12.94	17.21 14.36	16.86 13.70	16.95 13.09	17.32 13.17	17.35 13.49	17.15 13.55	NR NR	16.94 13.23	23
24	16.60 13.11	17.21 12.95	16.75 12.98	16.40 13.02	17.29 14.51	16.50 13.39	17.24 13.27	17.06 12.88	16.74 13.19	16.25 13.85	NR NR	16.92 13.36	24
25	16.86 13.06	17.15 13.38	16.61 12.90	16.10 13.04	17.04 14.38	16.44 13.18	16.92 12.89	16.72 12.85	16.09 13.25	17.34 13.89	NR NR	17.13 13.62	25
26	16.98 13.25	16.70 13.18	16.17 12.83	15.97 12.95	16.76 13.79	16.61 13.22	16.63 12.79	16.45 12.94	16.89 13.42	17.44 13.65	NR NR	16.99 13.61	26
27	17.02 13.21	16.35 12.88	15.61 12.64	15.90 12.83	16.58 13.43	16.65 13.14	16.63 12.96	16.58 13.22	17.03 13.39	17.60 13.63	NR NR	NR NR	27
28	16.34 13.26	16.17 12.81	15.64 12.46	15.97 12.86	16.77 13.54	16.85 13.36	16.54 13.17	16.84 13.31	17.19 13.36	17.76 13.67	NR NR	NR NR	28
29	15.80 12.71	16.46 12.90	15.77 12.52	16.18 12.98		17.15 13.44	16.58 12.97	16.97 13.63	17.64 13.56	17.85 13.69	NR NR	NR NR	29
30	15.98 12.44	16.65 13.36	15.88 12.67	16.42 12.90		16.75 13.00	16.41 13.13	17.11 13.49	17.59 13.31	17.84 13.60	NR NR	NR NR	30
31	16.11 12.69		16.00 12.87	16.74 12.97		16.57 12.98		17.17 13.28		17.62 13.43	NR NR		31
MAXIMUM	17.02	17.21	17.39	17.58	18.91	18.19	17.35	17.73	17.77	18.29	NR	NR	MAXIMUM
MINIMUM	12.44	12.55	12.46	12.68	12.98	12.98	12.73	12.85	13.01	13.22	NR	NR	MINIMUM

E - Estimated
NR - No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 01	121 29 45	NE 2 2N 4E		10.7	12/26/55		OCT 27-DATE	1927 1959		-3.45 -4.00	USCGS USCGS

Station located on Little Connection Slough on Empire Island, 0.7 mi. S of Venice Island Ferry. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 343

* DAILY MAXIMUM AND MINIMUM TIDES

GEORGIANA SLOUGH AT MOKELUMNE RIVER

in feet

STATION NO	WATER YEAR
B94100	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.11 9.83	12.69 9.72	13.53 10.10	13.25 9.97	13.57 9.73	13.84 10.39	13.46 10.15	13.31 10.21	13.93 9.95	14.21 10.02	13.89 10.02	13.40 10.30	1
2	12.99 9.81	12.70 9.72	13.73 10.53	13.35 9.76	13.68 9.73	14.06 10.36	13.54 10.24	13.52 10.27	14.02 9.95	14.25 9.99	13.80 10.11	13.26 10.48	2
3	12.63 9.84	12.63 9.80	13.53 10.58	13.29 9.54	13.73 10.74	13.86 10.22	13.46 10.37	13.72 10.26	14.34 10.10	14.13 9.99	13.63 10.17	13.21 10.42	3
4	13.09 10.02	12.63 9.74	13.47 10.27	13.48 9.53	13.74 9.77	13.89 10.27	13.40 10.34	13.95 10.18	14.18 9.93	14.11 10.04	13.27 10.00	13.19 10.41	4
5	13.13 10.14	12.68 9.87	13.44 10.07	13.43 10.47	13.63 9.79	14.34 11.35	13.44 10.19	13.96 10.04	13.96 9.79	13.99 10.19	12.97 9.92	13.26 10.36	5
6	13.17 10.32	12.85 9.83	13.53 9.95	13.55 9.43	13.53 9.77	14.67 11.14	13.39 9.97	13.98 10.00	13.81 9.82	13.62 10.02	13.13 10.00	13.56 10.30	6
7	13.14 10.09	13.06 9.83	13.73 10.77	13.60 9.53	13.85 9.97	14.12 11.18	13.49 9.97	13.93 10.04	13.68 9.96	13.24 10.04	13.20 10.17	13.81 10.29	7
8	12.59 9.82	13.23 10.44	14.06 9.97	13.79 9.64	13.59 10.34	13.95 11.04	13.82 10.22	14.29 10.53	13.46 10.04	13.28 9.96	13.40 10.39	14.14 10.29	8
9	12.93 10.09	13.42 9.84	14.00 10.08	13.55 9.83	14.06 10.56	14.23 11.18	13.93 10.16	13.57 9.85	13.42 10.09	13.48 10.17	12.06 10.13	13.09 10.48	9
10	13.06 10.17	13.73 10.03	13.79 9.98	13.12 9.84	14.29 11.09	14.05 10.94	13.19 9.71	13.24 9.93	12.50 9.94	12.33 10.23	13.49 9.94	14.26 10.49	10
11	12.99 9.99	13.43 9.98	13.55 9.74	12.84 9.72	14.56 11.39	13.89 10.71	13.02 9.62	12.73 9.76	13.28 10.04	13.49 10.45	13.72 9.96	14.03 10.19	11
12	12.94 9.84	13.18 9.60	13.19 9.63	13.26 9.84	14.60 11.37	13.51 10.17	12.86 9.67	13.17 10.00	13.37 10.49	13.70 10.25	13.89 9.99	13.99 10.25	12
13	12.98 9.67	13.10 9.35	12.91 9.57	13.34 10.06	14.97 11.51	13.28 9.98	12.94 9.92	13.31 10.29	13.75 10.69	13.79 10.03	13.97 9.89	13.89 10.26	13
14	13.16 9.67	12.93 9.43	13.00 9.63	13.20 9.85	14.64 11.49	13.29 10.09	13.34 10.64	13.51 10.26	14.16 10.43	14.02 10.10	14.08 10.04	13.66 10.25	14
15	13.19 9.69	12.90 9.56	13.20 9.76	13.25 9.77	15.48 12.22	13.35 10.06	13.52 10.27	13.28 10.40	13.95 10.14	14.22 10.12	13.98 9.86	13.59 10.29	15
16	13.33 9.69	12.77 9.75	13.29 9.98	13.49 9.80	15.12 11.99	13.39 10.16	13.06 10.24	13.70 10.46	14.14 10.17	14.39 10.18	13.99 10.11	13.63 10.37	16
17	13.38 9.85	12.73 9.64	13.49 10.10	13.69 9.85	14.82 12.58	13.33 10.12	13.19 10.29	13.49 10.16	14.21 10.14	14.75 10.53	13.92 10.17	14.13 10.47	17
18	12.90 9.99	12.91 9.75	13.61 10.03	13.65 9.85	14.94 11.77	13.39 10.29	13.18 10.29	13.71 10.11	14.17 9.89	14.86 10.64	13.59 10.07	13.96 10.86	18
19	13.57 10.34	13.19 10.00	13.75 9.97	14.09 11.07	14.85 11.75	13.79 10.77	13.40 10.57	13.81 10.13	14.15 9.84	14.50 10.38	13.39 10.12	13.96 10.39	19
20	13.40 10.20	13.65 10.33	13.77 10.77	14.21 10.55	14.57 11.79	13.45 10.50	13.35 9.91	13.80 9.80	14.15 9.86	14.17 10.16	13.59 10.27	13.77 10.25	20
21	13.17 10.23	13.23 9.49	13.70 9.96	13.71 10.48	14.09 11.51	13.29 10.67	13.22 9.82	13.66 9.62	14.19 10.02	13.73 10.03	13.87 10.54	13.66 10.09	21
22	12.85 9.84	13.21 10.25	13.70 9.79	13.20 9.87	13.77 11.29	13.73 10.57	13.38 9.82	13.80 9.74	14.23 10.41	13.51 10.16	14.16 10.54	12.81 10.05	22
23	13.07 9.88	13.53 9.54	13.54 9.86	13.33 9.74	13.78 11.15	13.37 10.37	13.55 9.89	13.95 9.94	13.96 10.22	13.79 10.28	14.15 10.55	13.67 10.05	23
24	13.20 10.18	13.93 9.79	13.42 9.79	13.10 9.79	13.82 11.29	13.02 10.13	13.81 10.04	13.67 9.70	13.37 9.89	12.86 10.59	12.76 10.36	13.62 10.17	24
25	13.48 9.84	13.85 10.19	13.26 9.71	12.76 9.85	13.63 11.12	12.98 9.95	13.52 9.71	13.35 9.69	12.64 9.94	13.96 10.61	13.96 10.22	13.82 10.42	25
26	13.61 10.03	13.33 10.01	12.80 9.62	12.64 9.73	13.17 10.52	13.15 9.96	13.24 9.59	13.21 9.73	13.49 10.09	14.06 10.42	13.99 10.35	13.71 10.44	26
27	13.59 9.99	13.03 9.71	12.25 9.39	12.59 9.60	13.14 10.18	13.22 9.89	13.23 9.81	12.98 9.97	13.64 10.15	14.23 10.39	13.95 10.09	13.59 10.47	27
28	12.93 10.02	12.84 9.64	12.28 9.28	12.61 9.64	13.38 10.24	13.62 10.09	13.16 9.92	13.49 10.07	13.79 10.13	14.31 10.38	13.73 10.00	13.40 10.42	28
29	12.43 9.39	13.18 9.73	12.40 9.28	12.83 9.71		13.69 10.19	13.19 9.81	13.58 10.40	14.21 10.27	14.40 10.44	13.86 10.27	13.18 10.34	29
30	12.59 9.34	13.35 10.18	12.54 9.39	13.08 9.67		13.31 9.77	13.09 9.95	13.74 10.27	14.17 10.06	14.43 10.35	13.69 10.20	13.16 10.31	30
31	12.77 9.47		12.67 9.64	13.39 9.74		13.15 9.77		13.79 10.05		14.20 10.15	13.65 10.34		31
MAXIMUM	13.61	13.93	14.06	14.21	15.48	14.67	13.93	14.29	14.34	14.86	14.16	14.26	MAXIMUM
MINIMUM	9.34	9.35	9.28	9.43	9.73	9.77	9.59	9.62	9.79	9.96	9.86	10.05	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 07 48	121 54 46	NW12 3N 4E		7.1	12/26/55		JUN 29-DATE	1929 1940 1940	1940	0.00 0.00 3.11	USED USCGS USED

Station located on Andrus Island, 2.8 mi. SE of Isleton. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 344

* DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

in feet

STATION NO	WATER YEAR
895100	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.73 12.63	15.32 12.37	16.10 12.79	15.89 12.70	16.19 12.41	16.49 13.06	16.06 12.70	15.83 12.81	16.57 12.61	16.83 12.68	16.51 12.70	16.05 13.08	1
2	15.12 12.42	15.28 12.37	16.34 13.21	16.00 12.46	16.29 12.40	16.72 13.03	16.10 12.78	16.15 12.86	16.66 12.61	16.83 12.64	16.38 12.80	15.92 13.20	2
3	15.43 12.49	15.24 12.48	16.13 13.21	15.93 12.23	16.36 12.43	16.50 12.77	16.08 12.92	16.37 12.91	16.98 12.77	16.73 12.67	16.21 12.80	15.85 13.15	3
4	15.74 12.76	15.29 12.47	16.06 12.99	16.13 12.21	16.38 12.45	16.48 12.84	16.04 12.90	16.61 12.82	16.79 12.58	16.70 12.74	15.86 12.71	15.87 13.19	4
5	15.75 12.84	15.23 12.50	16.02 12.65	16.03 13.26	16.22 13.29	16.95 13.71	16.06 12.75	16.59 12.67	16.62 12.43	16.61 12.89	15.56 12.61	15.93 13.10	5
6	15.83 13.01	15.45 12.49	16.38 12.75	16.17 12.09	16.13 12.44	17.33 13.76	16.03 12.53	16.62 12.62	16.47 12.49	16.24 12.79	15.73 12.73	16.23 13.11	6
7	15.73 12.76	15.65 12.48	16.37 12.69	16.20 12.18	16.49 12.64	16.73 13.85	16.13 12.53	16.58 12.66	16.27 12.64	15.88 12.76	15.79 12.90	16.50 13.04	7
8	15.21 12.67	15.82 12.50	16.71 13.84	16.42 12.27	16.15 13.03	16.59 13.56	16.46 12.77	16.94 13.12	16.05 12.71	15.88 12.69	15.98 13.11	16.79 13.07	8
9	15.60 12.75	16.03 13.35	16.65 12.77	16.16 12.49	16.62 13.23	16.86 13.73	16.63 12.75	16.21 12.54	15.97 12.76	16.06 12.88	16.06 12.84	16.95 13.21	9
10	15.68 12.93	16.30 12.67	16.45 12.62	15.74 12.51	16.90 13.73	16.70 13.57	15.91 12.30	15.89 12.59	15.02 12.60	16.09 12.91	14.74 12.64	15.75 13.21	10
11	15.63 12.67	16.06 12.63	16.21 12.37	15.45 12.39	17.10 14.00	16.53 13.33	15.73 12.22	15.36 12.40	15.82 12.70	14.81 13.16	16.30 12.66	16.72 12.93	11
12	15.59 12.59	15.79 12.26	15.81 12.27	15.84 12.52	17.18 13.88	16.13 12.79	15.56 12.25	15.75 12.64	15.92 13.14	16.28 12.95	16.52 12.65	16.68 12.98	12
13	15.63 12.39	15.72 12.06	15.57 12.25	15.93 12.74	17.50 14.05	15.89 12.63	15.65 12.55	15.89 12.94	16.29 13.32	16.40 12.73	16.60 12.54	16.56 12.97	13
14	15.81 12.96	15.53 12.10	15.65 12.30	15.77 12.53	17.20 13.90	15.92 12.74	16.03 13.23	16.11 12.89	16.70 13.04	16.61 12.76	16.66 12.69	16.29 12.96	14
15	15.84 12.42	15.53 12.23	15.81 12.44	15.84 12.44	18.05 14.68	15.99 12.73	16.18 12.88	15.89 13.08	16.51 12.72	16.80 12.77	16.57 12.57	16.19 13.04	15
16	15.98 12.39	15.40 12.47	15.91 12.65	16.11 12.47	17.62 14.35	16.05 12.84	15.73 12.88	16.26 13.13	16.65 12.74	16.98 12.86	16.62 12.80	16.27 13.09	16
17	16.04 12.57	15.34 12.31	16.10 12.76	16.27 12.51	17.40 14.15	15.93 12.74	15.83 12.89	16.09 12.77	16.76 12.72	17.33 13.26	16.54 12.84	16.83 13.18	17
18	16.18 12.66	15.52 12.41	16.24 12.69	16.25 12.49	17.52 14.27	16.03 12.95	15.83 12.95	16.30 12.72	16.71 12.41	17.43 13.31	16.23 12.77	16.59 13.59	18
19	15.89 13.07	15.79 12.70	16.37 12.66	16.69 13.18	17.43 15.05	16.39 13.37	16.04 13.17	16.39 12.74	16.70 12.43	17.09 13.06	15.99 12.83	16.54 13.12	19
20	16.04 12.89	16.27 13.00	16.41 12.61	16.79 13.08	17.15 14.35	16.02 13.08	16.02 12.52	16.39 12.43	16.69 12.45	16.74 12.81	16.19 13.00	16.44 12.97	20
21	15.73 12.89	15.82 12.25	16.29 13.64	16.28 13.95	16.70 14.07	15.87 13.12	15.87 12.44	16.25 12.22	16.71 12.62	16.31 12.70	16.48 13.28	16.29 12.79	21
22	15.49 12.51	15.77 12.98	16.34 12.42	15.77 12.51	16.37 13.85	16.21 13.64	16.07 12.46	16.42 12.39	16.77 13.04	16.08 12.83	16.78 13.26	16.27 12.75	22
23	15.69 12.52	16.14 12.17	16.16 12.47	15.89 12.31	16.39 13.73	15.96 12.96	16.23 12.55	16.53 12.58	16.51 12.84	16.31 13.01	16.77 13.32	15.54 12.75	23
24	15.84 12.87	16.51 12.45	16.04 12.42	15.69 12.42	16.45 13.91	15.61 12.72	16.49 12.69	16.28 12.32	15.94 12.56	16.56 13.29	15.42 13.11	16.24 12.88	24
25	16.11 12.52	16.46 12.84	15.89 12.34	15.35 12.49	16.27 13.78	15.60 12.56	16.22 12.31	15.96 12.31	15.24 12.62	15.31 13.32	16.66 12.95	16.43 13.16	25
26	16.25 12.68	15.93 12.66	15.51 12.32	15.23 12.41	15.86 13.20	15.76 12.57	15.90 12.20	15.69 12.31	16.09 12.79	16.66 13.12	16.67 13.09	16.30 13.16	26
27	16.23 12.64	15.61 12.36	14.96 12.17	15.19 12.31	15.79 12.88	15.79 12.48	15.89 12.35	15.77 12.59	16.24 12.82	16.80 13.09	16.59 12.83	16.22 13.20	27
28	15.58 12.71	15.45 12.27	14.96 11.96	15.23 12.34	16.02 12.93	16.01 12.70	15.79 12.53	16.04 12.67	16.42 12.82	16.92 13.08	16.38 12.72	16.05 13.18	28
29	15.09 12.09	15.74 12.37	15.07 12.01	15.41 12.41		16.27 12.76	15.83 12.37	16.15 13.02	16.84 12.97	17.02 13.13	16.55 13.04	15.81 13.04	29
30	15.22 11.82	15.96 12.86	15.23 12.18	15.67 12.34		15.89 12.34	15.73 12.53	16.29 12.87	16.80 12.73	17.01 13.06	16.35 12.95	15.81 13.11	30
31	15.40 12.14		15.31 12.38	15.99 12.41		15.73 12.33		16.37 12.68		16.81 12.79	16.28 13.12		31
MAXIMUM	16.25	16.51	16.71	16.79	18.05	17.33	16.63	16.94	16.98	17.43	16.78	16.95	MAXIMUM
MINIMUM	11.82	12.06	11.96	12.09	12.40	12.33	12.20	12.22	12.43	12.64	12.54	12.75	MINIMUM

E = Estimated
NR = No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 06 12	121 35 26	SE13 3N 3E					MAY 52-DATE	1952		-2.84	USCOS

Station located approx. 1.2 mi. below Mokelumne River. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 345

DAILY MAXIMUM AND MINIMUM TIDES

THREEMILE SLOUGH AT SAN JOAQUIN RIVER

in feet

STATION NO	WATER YEAR
895060	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.44 9.30	12.11 9.22	12.93 9.65	12.57 9.47	12.81 9.14	13.22 9.85	12.84 9.40	12.58 9.53	13.47 9.52	13.82 9.65	13.46 9.68	12.90 10.16	1
2	12.36 9.29	12.12 9.22	13.13 10.03	12.68 9.23	12.98 9.13	13.41 9.78	12.89 9.51	12.89 9.61	13.58 9.54	13.80 9.61	13.34 9.76	12.79 10.35	2
3	11.88 9.32	12.04 9.31	12.92 10.00	12.67 8.98	13.08 9.13	13.22 9.54	12.84 9.67	13.12 9.63	13.86 9.67	13.72 9.65	13.18 9.83	12.70 10.29	3
4	12.48 9.49	12.08 9.26	12.87 9.68	12.89 8.96	13.06 9.13	13.26 9.61	12.81 9.61	13.33 9.56	13.68 9.48	13.66 9.68	12.80 9.71	12.66 10.28	4
5	12.47 9.60	12.07 9.30	12.84 9.44	12.83 8.86	12.91 10.04	13.76 10.51	12.81 9.49	13.35 9.39	13.49 9.37	13.57 9.83	12.48 9.63	12.74 10.24	5
6	12.62 9.82	12.24 9.27	12.93 9.33	12.96 8.96	12.83 9.13	13.86E 11.17E	12.79 9.24	13.35 9.36	13.33 9.40	13.20 9.70	12.64 9.72	13.02 10.20	6
7	12.57 9.49	12.47 9.24	13.11 9.35	13.01 10.18	13.18 9.29	13.24E 10.48E	12.90 9.23	13.33 9.41	13.19 9.59	12.76 9.70	12.73 9.92	13.27 10.18	7
8	12.01 9.36	12.66 9.24	13.41 10.66	13.19 9.07	12.85 9.73	13.12E 10.26E	13.21 9.49	13.69 9.86	12.97 9.69	12.80 9.65	12.91 10.12	13.54 10.19	8
9	12.39 9.63	12.82 9.37	13.39 9.50	12.94 9.28	13.37 9.92	13.37E 10.44E	13.32 9.42	12.94 9.30	12.98 9.74	13.00 9.85	12.99 9.89	12.54 10.37	9
10	12.47 9.83	13.05 10.53	13.19 9.35	12.49 9.30	13.55 10.43	13.21E 10.19E	12.59 8.99	12.60 9.31	12.01 9.66	13.00 9.98	11.63 9.67	13.68 10.35	10
11	12.44 9.47	12.82 9.36	12.94 9.15	12.20 9.18	13.79 10.69	13.06E 9.97E	12.39 8.94	12.06 9.18	12.84 9.73	11.68 10.19	13.23 9.70	13.48 10.13	11
12	12.35 9.32	12.59 9.03	12.53 9.05	12.64 9.34	13.84 10.60	12.67E 9.48E	12.24 8.99	12.52 9.40	12.90 10.19	13.26 10.00	13.45 9.70	13.44 10.19	12
13	12.40 9.12	12.49 8.82	12.27 9.01	12.72 9.57	14.22 10.78	12.42E 9.22E	12.31 9.26	12.63 9.73	13.28 10.35	13.38 9.74	13.48 9.59	13.30 10.15	13
14	12.59 9.12	12.29 8.88	12.38 9.07	12.59 9.36	13.90 10.64	12.44E 9.34E	12.69 9.87	12.84 9.73	13.69 10.10	13.60 9.78	13.60 9.73	13.11 10.13	14
15	12.61 9.16	12.31 9.02	12.59 9.24	12.63 9.26	14.59 11.35	12.48E 9.39E	12.84 9.59	12.67 9.88	13.49 9.79	13.79 9.77	13.49 9.60	12.97 10.19	15
16	12.74 9.19	12.19 9.19	12.68 9.47	12.91 9.29	14.22 11.07	12.58E 9.51E	12.47 9.59	12.99 9.95	13.66 9.77	13.95 9.83	13.51 9.80	13.00 10.26	16
17	12.83 9.38	12.15 9.09	12.90 9.62	13.07 9.32	14.00 10.90	12.49E 9.44E	12.58 9.63	12.86 9.59	13.75 9.73	14.31 10.20	13.45 9.86	13.45 10.33	17
18	12.97 9.49	12.34 9.22	12.99 9.45	13.07 9.33	14.18 11.02	12.64E 9.65E	12.57 9.69	13.09 9.51	13.72 9.53	14.37 10.26	13.14 9.81	13.30 10.72	18
19	12.64 9.79	12.66 9.47	13.15 9.40	13.54 10.04	14.07 11.79	12.94E 10.08E	12.76 9.86	13.16 9.48	13.70 9.44	14.04 10.00	12.89 9.88	13.25 10.26	19
20	12.85 9.70	13.09 9.74	13.18 9.35	13.56 9.84	13.79 11.08	12.58E 9.75E	12.77 9.25	13.12 9.18	13.68 9.48	13.73 9.79	13.08 10.07	13.14 10.16	20
21	12.59 9.67	12.64 8.99	13.08 9.18	13.04 10.80	13.35 10.78	12.40E 9.93E	12.63 9.19	13.00 9.00	13.74 9.60	13.26 9.66	13.40 10.36	13.05 10.00	21
22	12.31 9.35	12.62 8.95	13.07 10.46	12.53 9.27	13.07 10.63	12.70E 9.80E	12.79 9.17	13.36 9.35	13.74 10.02	13.00 9.78	13.66 10.34	12.19 9.94	22
23	12.57 9.32	12.98 10.21	12.90 9.20	12.60 9.06	13.06 10.54	12.46E 9.72E	12.97 9.27	13.43 9.49	13.48 9.84	13.23 9.96	13.64 10.36	13.00 9.99	23
24	12.71 9.72	13.35 9.23	12.75 9.16	12.34 9.15	13.12 10.70	12.44 9.54	13.09 9.34	13.22 9.22	12.87 9.52	13.46 10.23	12.31 10.17	12.98 10.10	24
25	12.95 9.32	13.31 9.63	12.58 9.17	12.03 9.23	12.94 10.62	12.39 9.33	12.90 9.03	12.38 9.29	13.04 9.58	13.62 10.30	13.50 10.05	13.13 10.35	25
26	13.08 9.47	12.71 9.46	12.14 9.04	11.91 9.17	12.50 10.02	12.55 9.38	12.57 8.91	12.75 9.31	11.96 9.80	12.20 10.11	13.53 10.19	13.02 10.36	26
27	13.04 9.43	12.37 9.16	11.61 8.87	11.88 9.07	12.48 9.71	12.59 9.27	12.58 9.17	12.48 9.57	13.23 9.85	13.76 10.06	13.47 9.91	12.94 10.40	27
28	12.33 9.48	12.19 9.09	11.63 8.71	11.91 9.14	12.74 9.78	12.77 9.47	12.52 9.21	13.05 9.66	13.41 9.83	13.87 10.03	13.25 9.83	12.72 10.36	28
29	11.83 8.87	12.51 9.22	11.75 8.79	12.13 9.18		13.01 9.52	12.54 9.09	13.12 9.98	13.74 9.87	13.97 10.08	13.41 10.09	12.51 10.30	29
30	11.99 8.70	12.75 9.69	11.88 8.94	12.37 9.10		12.68 9.11	12.45 9.24	13.30 9.86	13.77 9.72	13.95 10.03	13.21 10.02	12.45 10.27	30
31	12.16 8.97		12.02 9.20	12.70 9.15		12.55 9.08		13.37 9.16		13.73 9.83	13.16 10.21		31
MAXIMUM	13.08	13.35	13.41	13.56	14.59	13.86E	13.32	13.69	13.86	14.37	13.66	13.68	MAXIMUM
MINIMUM	8.70	8.82	8.71	8.86	9.13	9.08	8.91	9.00	9.37	9.61	9.59	9.94	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R M D B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 05 1[illegible]	121 41 07	SE19 [illegible]N 3E		5.9	4/6/58		JUN 29-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCOS
								1959		-10.00	USCOS
								1959		-7.11	USED

Station located [illegible] Sherman Island, 4.9 mi. S of Rio Vista. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge. Maximum of record is maximum recorded stage. Record not complete in December 19[illegible]. Maximum gage ht. listed at datum then in use.

TABLE 346

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT ANTIOCH

STATION NO	WATER YEAR
895020	1962

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.55 8.91	12.22 8.86	13.07 9.32	NR NR	13.18 8.71	13.36 8.37	12.97 8.82	12.81 9.00	13.53 8.76	13.84 8.92	13.43 8.99	13.02 9.49	1
2	12.44 8.92	12.25 8.88	13.31 9.71	NR NR	13.30 8.66	13.65 9.21	13.07 8.94	13.08 9.09	13.61 8.74	13.81 8.87	13.33 9.11	12.88 9.64	2
3	12.60 8.97	12.22 8.96	13.08 9.56	NR NR	13.42 8.60	13.43 8.86	13.01 9.07	13.38 9.03	13.80 8.84	13.72 8.94	13.13 9.09	12.77 9.62	3
4	12.57 9.19	12.26 8.92	13.01 9.21	NR NR	13.42 8.61	13.53 8.93	13.07 9.09	13.60 8.96	13.67 8.69	13.64 8.97	12.73 9.02	12.76 9.67	4
5	12.39 9.19	12.31 8.96	13.01 8.93	13.08 8.23	13.29 8.60	14.03 9.93	13.08 8.92	13.64 8.81	13.47 8.57	13.52 9.17	12.37 8.98	12.79 9.59	5
6	12.74 9.44	12.50 8.89	13.13 8.75	13.19 8.35	13.18 8.78	14.29 9.84	13.03 8.68	13.61 8.78	13.29 8.67	13.12 9.06	12.57 9.15	13.07 9.56	6
7	12.81 9.73	12.72 8.82	13.29 8.75	13.25 8.44	13.50 10.20	13.68 9.60	13.12 8.69	13.56 8.86	13.09 8.90	12.72 9.17	12.65 9.47	13.29 9.51	7
8	12.77 9.06	12.87 8.82	13.64 10.32	13.44 8.68	13.10 9.27	13.53 9.91	13.33 8.95	13.84 9.23	12.85 9.05	12.74 9.16	12.82 9.65	13.56 9.49	8
9	12.57 9.20	13.05 8.92	13.61 8.92	13.15 9.94	13.58 9.46	13.80 9.86	13.39 8.90	13.11 8.82	12.89 9.10	12.94 9.39	12.92 9.35	13.74 9.61	9
10	12.65 8.98	13.29 10.22	13.36 8.79	12.65 8.72	13.74 9.99	13.50 9.64	12.71 8.54	12.65 8.82	12.77 9.07	12.97 9.56	13.18 9.14	12.53 9.40	10
11	12.65 8.87	13.04 8.90	13.09 8.59	12.37 8.63	13.99 10.29	13.36 9.43	12.47 8.55	12.63 8.79	12.89 9.22	13.18 9.73	13.38 9.07	13.65 9.19	11
12	12.60 9.44	12.77 8.57	12.69 8.49	12.79 8.85	13.97 10.10	12.99 9.07	12.31 8.61	12.74 8.99	13.25 9.70	11.62 9.46	11.98 9.04	13.65 9.21	12
13	12.62 8.69	12.62 8.35	12.39 8.47	12.88 9.15	14.33 10.26	12.66 8.91	12.40 8.88	12.03 9.33	12.23 9.77	13.34 9.18	13.45 8.86	13.51 9.19	13
14	12.77 8.67	12.43 8.42	12.59 8.61	12.75 8.89	13.97 10.01	12.69 9.06	12.76 9.35	13.00 9.40	13.64 9.47	13.56 9.14	13.63 8.99	13.39 9.18	14
15	12.76 8.76	12.51 8.62	12.82 8.82	12.83 8.76	14.73 10.70	12.76 8.98	12.98 9.17	12.88 9.48	13.48 9.10	13.75 9.09	13.56 8.83	13.19 9.24	15
16	12.87 8.75	12.40 8.82	12.93 9.08	13.11 8.75	14.33 10.40	12.89 9.10	12.65 9.17	13.16 9.53	13.65 9.09	13.94 9.10	13.58 9.02	13.25 9.37	16
17	12.91 8.92	12.33 8.70	13.17 9.19	13.27 8.76	14.12 10.29	12.83 9.00	12.73 9.21	13.11 9.16	13.77 9.00	14.29 9.42	13.52 9.08	13.63 9.82	17
18	13.05 9.06	12.59 8.82	13.28 8.99	13.25 8.78	14.37 10.47	12.97 9.19	12.75 9.29	13.31 9.06	13.74 8.78	14.29 9.50	13.23 9.08	13.47 9.70	18
19	12.91 9.24	12.84 9.03	13.40 8.88	13.66 9.61	14.22 10.54	13.23 9.64	12.92 9.30	13.39 9.00	13.71 8.69	14.04 9.23	12.96 9.17	13.35 9.34	19
20	12.73 9.24	13.30 9.19	13.40 8.86	13.74 9.24	13.96 10.22	12.97 9.30	12.87 8.74	13.30 8.63	13.69 8.70	13.70 9.05	13.17 9.45	13.27 9.27	20
21	12.72 9.16	12.85 8.42	13.33 8.65	13.28 8.96	13.47 10.13	12.68 9.39	12.76 8.68	13.22 8.46	13.69 8.84	13.22 8.93	13.47 9.92	13.11 9.11	21
22	12.54 8.92	12.85 8.37	13.26 10.14	12.71 8.61	13.22 10.71	13.04 9.83	12.95 8.66	13.36 8.65	13.71 9.30	12.98 9.11	13.74 9.89	13.12 9.02	22
23	12.78 8.84	13.20 9.88	13.08 8.65	12.80 10.03	13.19 10.10	12.76 9.22	13.10 8.77E	13.32 8.72	13.42 9.12	13.24 9.36	13.69 9.69	13.12 9.03	23
24	12.92 8.82	13.54 8.68	12.92 8.62	12.51 8.67	13.26 10.28	12.69 9.00	13.36F 8.90E	13.17 8.54	12.87 8.88	13.42 9.72	13.54 9.49	12.57 9.17	24
25	13.18 8.99	13.46 9.11	12.77 8.62	12.20 8.81	13.07 10.34	12.43 8.83	13.09E 8.50E	12.85 8.59	12.99 8.91	13.57 9.68	12.35 9.34	13.26 9.41	25
26	13.24 9.98	12.82 8.95	12.28 8.59	12.11 8.77	12.67 9.72	12.57 8.88	12.71E 8.44	12.74 8.64	13.25 9.24	13.75 9.48	13.61 9.43	13.17 9.42	26
27	13.15 8.94	12.45 8.71	11.76 8.47	12.06 8.73	12.54 9.37	12.55 8.83	12.59 8.69	13.05 8.90	11.81 9.22	12.26 9.37	13.58 9.19	13.14 9.50	27
28	12.44 8.99	12.28 8.66	11.78 8.35	12.10 8.86	12.83 9.38	12.73 9.04	12.55 8.67	13.15 8.99	13.44 9.18	13.85 9.31	13.35 9.18	12.94 9.41	28
29	11.86 8.53	12.64 8.86	11.94 8.48	12.32 8.84		12.92 8.94	12.65 8.60	12.20 9.35	13.76 9.12	13.91 9.31	13.55 9.42E	12.72 9.35	29
30	12.11 8.31	12.86 9.35	12.12 8.72	12.58 8.70		12.68 8.56	12.64 8.74	13.38 9.22	13.80 9.00	13.91 9.32	13.34 9.22	12.69 9.35	30
31	12.21 8.61		12.23 8.91	12.92 8.74		12.59 8.51		13.43 8.93		13.71 9.13	13.29 9.46		31
MAXIMUM	13.24	13.54	13.64	NR	14.73	14.29	13.39	13.84	13.80	14.29	13.74	13.74	MAXIMUM
MINIMUM	8.31	8.35	8.35	NR	8.60	8.51	8.44E	8.46	8.57	8.87	8.83	9.02	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 01 04	121 48 06	SW18 2N 2E		6.2	12/26/55		JUN 29-DATE	1929	1940	0.00	USED
								1940	1957	0.00	USCGS
								1957		-9.96	USCGS
								1957		-6.97	USED

Station located on wharf at city water works immediately N of Antioch. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge. Maximum gage ht. at datum then in use.

LAHONTAN REGION

LAHONTAN REGION

Introduction

The Lahontan Region covers the same portion of eastern California as does the Lahontan Water Pollution Control Region 6.' This report presents data from that portion of the region north of the Mono divide. The principle stream systems in the area rise on the eastern slopes of the Sierra Nevada and the Cascade Range and drain into inland lakes or sinks. Data tabulated in this report show daily mean discharge at stations in Surprise Valley and Eagle Lake, Honey Lake, and Lake Tahoe basins.

Storms crossing the mountains along the western edge of the area lose much of their moisture before entering the area and precipitation ranges from 50 inches at the higher elevations to less than 10 inches along the eastern edge. Streamflow results from surface runoff and snowmelt principally at the higher elevations.

The 1961-62 water year was near normal for the first time since the 1957-58 water year. In the Lahontan Region precipitation was near normal and runoff about 110 percent of normal.

Tabular Information

On the following pages data are tabulated for 11 gaging stations for the 1962 water year.

TABLE 347

GAGING STATION
ADDITIONS and DISCONTINUATIONS

LAHONTAN REGION

ADDITIONAL STATIONS
None

DISCONTINUED STATIONS
None

PUBLICATION DISCONTINUED
None

TABLE 348

DAILY MEAN DISCHARGE

BIDWELL CREEK NEAR FORT BIDWELL

IN SECOND FEET

STATION NO	WATER YEAR
G12200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.6	3.9	4.1	3.8	4.2E	4.0E	32	43	50	17	5.1	3.1	1
2	2.5	3.7	4.3	3.9	3.9E	4.3E	36	48	52	17	4.7	2.8	2
3	2.6	3.4	3.9	4.1*	4.0E	4.3E	37	53	53	16	4.8	2.8	3
4	2.6	3.6	3.7	4.1	4.3E	4.3E	41	58	51	15	5.6	2.9	4
5	2.7	3.2	3.8*	4.0	4.3E	4.3E	46	60	47	15	5.5	2.7	5
6	2.7	3.8	3.6	4.8	4.3E	4.5E	49	59	44 *	14	4.8	2.6	6
7	2.9	3.7*	4.4E	5.1	4.3E	4.5E	62	62	44	13	4.6	2.4	7
8	3.0	3.5	4.3E	4.8	4.2E	4.8E	57	64	45	12	4.6*	2.6	8
9	3.1	3.6	4.3E	4.7	4.2E	4.9E	51	62 *	47	12	5.5	2.8	9
10	3.1	3.6	4.4E	4.2	4.3E	4.7E	47	60	49	12	4.9	2.7	10
11	4.3	3.5	4.4E	4.0E	4.3E	4.7E	46 *	56	48	12 *	4.5	2.0	11
12	5.7	2.8	4.4E	4.2E	4.2E	4.9E	51	53	49	12	4.1	3.0*	12
13	3.5	3.2	4.5E	4.3E	4.0E	4.7E	55	52	47	11	4.1	2.8	13
14	3.1	4.0	4.5E	4.3E	4.0E	4.6#	61	47	44	11	4.0	2.8	14
15	2.7	3.6E	4.5E	4.3E	4.0E	5.1	64	44	40	10	3.7	2.7	15
16	2.7	3.5E	4.5E	4.3E	4.2E	5.9	60	41	38	10	3.6	2.6	16
17	2.7	3.5E	4.5E	4.3E	4.3E	6.1	58	38	37	9.7	3.6	2.6	17
18	2.8	3.6E	4.5E	4.3E	4.4E	6.7	55	41	35	9.4	3.6	2.4	18
19	2.7	3.8E	15 E	4.3E	4.4E	8.3	56	42	35 *	8.6	3.8	2.4	19
20	3.2	4.0E	14	4.3E	4.3E	9.4	54	38	34	8.1	3.7	2.5	20
21	3.6	4.3E	8.6	4.4E	4.3E	8.4	50	39	34	7.4	3.8	2.6	21
22	3.4	4.8E	6.2	4.5E	4.3E	7.9	51	41	32	7.0	3.7	2.7	22
23	3.2	4.6	5.3	4.5E	4.3E	7.0	52	42	29	6.7	3.5	2.5	23
24	3.2	4.1	4.8	4.4E	4.2E	6.9	55	42	28	6.7	3.3	2.4	24
25	3.2	4.1	4.8	4.3E	4.0E	9.3	54	43	25	6.6	3.1	2.4	25
26	3.5	4.2	4.4	4.3E	4.0E	16	52	44	24	6.2	3.0	2.6	26
27	6.4	3.9	4.1	4.3E	4.0E	27	52	43	22	5.9	3.2	3.1	27
28	4.4	3.6	4.0	4.3E	3.9E	27	50	45	20	5.6	3.2	5.5	28
29	3.8	3.7	4.0	4.3E		22	44	46	19	5.4	3.5	5.5	29
30	3.9	3.6	3.8	4.3E		22	41	48	18	5.8	3.3	3.3	30
31	3.9		3.6	4.3E		27		50		5.3	3.3		31
MEAN	3.3	3.7	5.1	4.3	4.2	9.2	50.6	48.5	38.0	10.1	4.1	2.9	MEAN
MAX.	6.4	4.8E	15.0E	5.1	4.4E	27.0	64.0	64.0	53.0	17.0	5.6	5.5	MAX.
MIN.	2.5	2.8	3.6	3.8	3.9E	4.0E	32.0	38.0	18.0	5.3	3.0	2.4	MIN.
AC. FT.	206	223	316	266	232	566	3013	2983	2261	622	249	172	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.3	NR					NR					11110

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 52 57	120 10 25	SE 6 46N 16E	374E	4.32	5/11/58	APR 55-OCT 57 8 MAY 58-DATE	APR 55-OCT 57 8 MAY 58-DATE	1958		0.00	LOCAL

Station located E. of New Pine Creek-Fort Bidwell Bighway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship at times affected by ice. Drainage area is approximately 50 sq. mi.

8 - Irrigation season only

TABLE 349

DAILY MEAN DISCHARGE

CEDAR CREEK AT CEDARVILLE

IN SECOND FEET

STATION NO	WATER YEAR
G15150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.4	0.5	0.6	0.4	1.4	6.8	14	8.1	1.5	0.3	0.1	1
2	0.2	0.4	0.5	0.5	0.4	0.6	7.9	13	7.1	1.4	0.3	0.1	2
3	0.2	0.4	0.5	0.5*	0.3	1.0	9.4	13	7.6	1.3	0.3	0.1	3
4	0.2	0.4	0.5	0.5	0.4	1.2	15	11	7.0	1.2	0.3	0.1	4
5	0.2	0.3	0.5	0.5	0.6	1.2	21	11	6.7	1.2	0.2	0.1	5
6	0.2	0.3	0.3	0.5	0.7	1.7	19	11	6.0*	1.1	0.2	0.1	6
7	0.3	0.3	0.4	0.6	1.0	1.7	12	11	5.4	1.0	0.2	0.1	7
8	0.4	0.4	0.4	0.6	1.4	2.0	16	10	5.3	0.9	0.2	0.1	8
9	0.3	0.5	0.4	0.4	1.4	2.0	18	10 *	4.5	0.8	0.2	0.1	9
10	0.3	0.4	0.4	0.4	1.9	2.1	25	9.1	5.3	0.8	0.2	0.1	10
11	0.3	0.5	0.4	0.5	2.3	2.0	27 *	9.1	5.3	0.8	0.2	0.1	11
12	0.4	0.4	0.4	0.5	2.5	2.2	26	8.4	4.9	0.6	0.2	0.1	12
13	0.4	0.3	0.4	0.4	2.5	2.4	24	8.2	4.4	0.6	0.2	0.1	13
14	0.3	0.4	0.4	0.6	2.7	2.5*	24	8.1	4.2	0.6	0.2	0.1	14
15	0.3	0.3	0.4	0.7	2.5	3.2	22	7.2	4.1	0.6	0.2	0.1	15
16	0.3	0.2	0.3	0.5	2.3	3.1	23	7.4	4.1	0.6	0.2	0.1	16
17	0.3	0.2	0.3	0.5	2.3	3.6	21	6.8	3.3	0.6	0.2	0.0	17
18	0.3	0.2	0.3	0.4	2.5	4.3	23	8.3	2.9	0.6	0.1	0.0	18
19	0.3	0.2	0.7	0.3	2.3	4.5	21	8.9	2.7	0.6	0.1	0.0	19
20	0.3	0.2	0.8	0.4	2.1*	5.4	21	8.3	2.7	0.6	0.1	0.0	20
21	0.5	0.2	1.2	0.4	2.3	6.7	19	9.2	2.7	0.5	0.1	0.0	21
22	0.5	0.1	1.1	0.4	2.2	7.2	19	9.7	2.6	0.5	0.2	0.0	22
23	0.4	0.2	0.9	0.4	2.3	8.2	18	10	2.6	0.5	0.1	0.0	23
24	0.4	0.4	0.8	0.4	2.2	8.8	18	10	2.2	0.5	0.1	0.0	24
25	0.4	0.5	0.8	0.4	2.3	8.8	18	10	2.1	0.4	0.1	0.0	25
26	0.4	0.5	0.7	0.4	3.2	8.5	17	11	2.2	0.3	0.2	0.0	26
27	1.1	0.5	0.6	0.4	3.4	4.7	17	11	2.2	0.3	0.1	0.0	27
28	0.6	0.5	0.6	0.3	3.0	4.6	15	11	2.1	0.3	0.1	0.0	28
29	0.4	0.5	0.5	0.3		5.9	15	12	2.0	0.3	0.1	0.1	29
30	0.4	0.5	0.5	0.4		4.5	14	11	1.7	0.3	0.1	0.1	30
31	0.4		0.5	0.4		5.3		9.7		0.3	0.1		31
MEAN	0.4	0.4	0.5	0.5	1.9	3.9	18.4	9.9	4.1	0.7	0.2	0.1	MEAN
MAX.	1.1	0.5	1.2	0.7	3.4	8.8	27.0	14.0	8.1	1.5	0.3	0.1	MAX.
MIN.	0.2	0.1	0.3	0.3	0.3	0.6	6.8	6.8	1.7	0.3	0.1	0.0	MIN.
AC. FT.	22	21	34	28	106	241	1095	612	246	43	11	4	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE
3.4

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
28.0	3.66	4	6	1330

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
0.0		11	22	1540

TOTAL ACRE FEET
2461

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 31 48	120 11 15	SE 6 42N 16E	62	3.95	2/8/60	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located below CedarvilleOAlturas Highway culvert, immediately W. of Cedarville. Tributary to Middle Alkali Lake. Stage-diacharge relationship at times affected by ice. Drainage area is approximately 25 sq. mi.

TABLE 350
DAILY MEAN DISCHARGE

EAGLE CREEK AT EAGLEVILLE
IN SECOND FEET

STATION NO	WATER YEAR
G17150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	1.5	1.9	1.8E	1.9E	1.8E	5.1E	8.4	29	17	3.0E	2.0	1
2	0.9	1.6	1.9	1.8E	1.9E	1.8E	5.3E	13	31	16	2.9E	2.0	2
3	0.9	1.7	1.8	1.7#	1.9E	1.8E	5.8E	18	34	15	2.8E	2.0	3
4	0.9*	1.7	2.8	1.7E	1.9E	1.8E	6.2	22	30	14	2.9E	2.0	4
5	0.9	2.4	1.6#	1.7E	1.9E	1.8E	6.6	22	26	13	2.8E	2.0	5
6	0.9	3.7	1.6E	1.7E	1.9E	1.9E	8.0	23	23 *	13	2.8E	2.1	6
7	1.0	2.7*	1.6E	1.7E	1.9E	1.9E	9.4	24	24	12	2.7E	2.0	7
8	1.0	2.0E	1.6E	1.7E	1.9E	1.8E	9.1	26	27	11	2.5#	2.1	8
9	1.0	1.7	1.6E	1.7E	1.9E	1.8E	9.1	22 *	33	10	2.7	2.1	9
10	0.9	1.8	1.6E	1.7E	1.9E	1.8E	7.7	18	37	9.5	2.8	2.1	10
11	1.1	1.7E	1.6E	1.7E	1.9E	1.8E	8.2*	15	37	8.8*	2.9	2.1	11
12	1.2	1.4E	1.6E	1.8E	1.9E	1.8E	11	14	36	8.1	2.9	2.1*	12
13	1.0	1.8E	1.6E	1.8E	1.9E	1.8E	11	12	37	7.6	2.7	2.1	13
14	1.0	2.2E	1.6E	1.8E	1.9E	1.8#	12	9.4	36	6.9	2.5	2.1	14
15	0.8	1.8E	1.7E	1.8E	1.9E	1.8E	15	8.0	33	6.4	2.6	2.1	15
16	0.9	1.8E	1.7E	1.8E	2.0E	2.0E	13	7.1	31	6.1	2.5	2.1	16
17	0.9	1.9E	1.7E	1.8E	2.0E	2.2E	12	6.9	31	5.4	2.5	2.1	17
18	0.9	2.0E	1.7E	1.8E	1.9E	2.3E	13	7.7	32	4.8	2.5	1.9	18
19	0.9	2.3E	1.7E	1.8E	1.9E	2.4E	15	7.3	30 *	4.4	2.5	1.9	19
20	1.2	2.0	1.7E	1.8E	1.9E	2.5E	12	7.0	29	4.0	2.5	2.0	20
21	1.1	2.0E	1.6E	1.8E	1.9E	2.7E	10	6.6	30	3.8	2.4	1.9	21
22	1.2	1.7E	1.6E	1.8E	1.9E	2.8E	11	7.3	30	3.6	2.3	1.8	22
23	1.1	1.7	1.7E	1.8E	1.9E	3.1E	13	9.6	30	3.3	1.9	1.8	23
24	1.1	1.7	1.7E	1.8E	1.9E	3.3E	15	8.0	29	3.2	2.0	1.8	24
25	1.2	1.8	1.7E	1.8E	1.9E	3.5E	13	7.8	29	3.0	2.0	1.9	25
26	1.2	1.8	1.7E	1.8E	1.9E	3.6E	10	7.6	27	3.1	1.9	4.6	26
27	1.4	1.8	1.6E	1.8E	1.9E	3.8E	11	7.8	25	3.0	2.0	3.0	27
28	1.4	1.8	1.7E	1.8E	1.9E	4.0E	8.5	15	22	2.8	2.1	4.3	28
29	1.6	2.0	1.7E	1.8E		4.4E	7.5	33	20	2.8	2.1	2.9	29
30	1.6	1.9	1.8E	1.8E		4.6E	7.3	30	18	2.9	2.1	2.2	30
31	1.6		1.8E	1.8E		4.9E		30		3.1E	2.1		31
MEAN	1.1	1.9	1.7	1.8	1.9	2.6	10.0	14.6	29.5	7.3	2.5	2.2	MEAN
MAX.	1.6	3.7	2.8	1.8E	2.0E	4.9E	15.0	33.0	37.0	17.0	3.0E	4.6	MAX.
MIN.	0.8	1.4E	1.6E	1.7E	1.9E	1.8E	5.1E	6.6	18.0	2.8	1.9	1.8	MIN.
AC. FT.	67	115	106	109	106	157	597	900	1757	451	153	133	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.4	NR					NR					4650

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 18 38	120 07 27	NE26 40N 16E	78E	3.39	6/19/58	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 0.7 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship at times affected by ice.

TABLE 351

DAILY MEAN DISCHARGE

PINE CREEK NEAR SUSANVILLE

IN SECOND FEET

STATION NO	WATER YEAR
G31150	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	2.7	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	1.3	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	14	20	0.4	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	21	18	0.1	0.0	0.0	0.0	4
5	0.0•	0.0	0.0	0.0	0.0	0.0	33	18	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0•	0.0	0.0	0.0	49	19	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	107	19	0.0•	0.0	0.0	0.0	7
8	0.0	0.0•	0.0	0.0	0.0	0.0	171	19	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	379	18	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	421	14 •	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	306	15	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	199 •	14	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	179	12	0.0•	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	174	9.8	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0•	0.0	0.0	175	8.6	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	189	8.6	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	231	7.6	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	261	8.9	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	261	8.4	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	241	7.1	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	188	6.1	0.0	0.0	0.0•	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	148	5.9	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	123	5.8	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	120	3.9	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	113	4.4	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	103	8.1	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	71	11	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	55	13	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	52	11	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	42	8.3	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		5.1		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	148	12.2	0.2	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	421	28.0	2.7	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.							8779	749	9				AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
13.2	509	4.62	4	10	0310	0.0		10	1	0000	9537

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 39 49	120 48 33	SE 2 32N 10E				JUL 56-DATE	JUL 56-DATE	1956		0.00	LOCAL

Station located 1.8 mi. above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship at times affected by ice. Drainage area is approximately 110 sq. mi.

TABLE 352

DAILY MEAN DISCHARGE

WILLOW CREEK NEAR LITCHFIELD

IN SECOND FEET

STATION NO	WATER YEAR
G42270	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	37	33	22	21	27	125	20	16	14	13	15	1
2	14	37	35	22	20	28	119	20	16	14	13	15	2
3	15	35	36	23	21	27	114	19	16	14	14	15	3
4	14	32	33	22 •	21	42	107	18	16	14	14	15	4
5	15	29	31	22	21	75	99	18	16	14	14	15	5
6	15	29	31	23	21	246	90	16	15	13	15	15	6
7	15	29	31 •	22	28 •	228	84	15	15 •	14	15	15	7
8	15	29 •	30	22	38	194	78	15	15	16	15	15	8
9	15	28	28	22	308	171	70	17	15	14	15 •	15	9
10	15	28	27 F	22	307	126	61	17 •	15	16	16	15	10
11	15	28	26 E	23	302	99	52	17	14	14	16	15	11
12	15	27	27 E	26	223	76	48	19	14	13 •	15	15 •	12
13	15	27	27	25	210	67	45	20	14	13	15	15	13
14	15	28	28	23 F	215	65	44	20	14	13	15	15	14
15	15	28	29	21 F	348	73	49	20	14	13	15	15	15
16	15	27	28	20	250	83	60	21	14	13	15	15	16
17	15	27	28	20	210	91	52	20	15	13	15	15	17
18	15	28	28	21	134	112	39	19	14	13	15	14	18
19	15	28	28	21	103	140 •	28	19	14	13	15	14	19
20	17	29	30	20 E	85	154	28	19	14	13	14	15	20
21	16	27	33	21 E	75	139	27	19	14	13	14	14	21
22	17	28	33	28 E	73	126	27	19	14	13	14	15	22
23	17	29	32	24	64	123	25	19	14	13	14	14	23
24	18	28	31	25	56	126	23	18	14	13	15	14	24
25	18	27	30	27	55	166	22	19	14	12	15	14	25
26	18	29	30	27	45	196	21	21	14	12	15	15	26
27	20	28	29	26	48	216	21	22	14	12	15	15	27
28	22	28	29	21	34	213	22	20	14	12	15	15	28
29	19	28	29	20		173	22	15	14	12	15	15	29
30	18	30	23	20		141	21	15	14	12	15	15	30
31	21		22	21		130		16		13	15		31
MEAN	16.2	29.1	29.5	22.6	119	125	54.1	18.5	14.5	13.1	14.7	14.8	MEAN
MAX.	22.0	37.0	36.0	28.0E	348	246	125	22.0	16.0	14.0	16.0	15.0	MAX.
MIN.	14.0	27.0	22.0	20.0	20.0	27.0	21.0	15.0	14.0	12.0	13.0	14.0	MIN.
AC. FT.	998	1730	1815	1392	6617	7682	3219	1135	865	807	904	881	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
38.7	826	7.02	2	9	1730	12.0	2.48	7	25	2400	28040

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 26 36	120 26 44	SW19 30N 14E	1650E	8.99	2/8/60	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 5.3 mi. NW of Litchfield, 11 mi. NE of Susanville. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice.

TABLE 353

DAILY MEAN DISCHARGE

GOLD RUN CREEK NEAR SUSANVILLE

IN SECOND FEET

STATION NO	WATER YEAR
G41450	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.6	1.8	0.7	0.6	1.1	6.3	9.3	26	3.3	0.7	0.2	1
2	0.2	0.7	1.8	0.7E	0.6	1.0	8.1	16	26	3.0	0.6	0.2	2
2	0.2	0.6	1.5	0.8E	0.6	1.0	8.9	24	23	3.0	0.6	0.2	3
4	0.2	0.6	1.3	0.6E	0.6	1.0	11	32	20	2.8	0.7	0.2	4
5	0.2	0.6	1.2	0.5#	0.7	1.4	12	30	18	2.4	0.8	0.2	5
6	0.2	0.6	1.1E	0.7	0.8E	3.4	13	29	17	2.3	0.7	0.2	6
7	0.3	0.6	0.7E	0.8	0.8E	2.3	14	27	15 •	2.1	0.6	0.2	7
8	0.4	0.6•	0.8E	0.7	0.9E	2.5	19	32	11	2.0	0.6	0.2	8
9	0.5	0.5	0.7E	0.7	1.8E	2.5	19	28	11	2.0	0.9•	0.2	9
10	0.5	0.5	0.8	0.6E	14 E	1.8	13	25 •	11	1.8	0.8	0.2	10
11	0.7	0.6	0.7	0.6E	2.2	1.5	12	22	10	1.9	0.6	0.2	11
12	0.6	0.6	0.8	0.8	1.7	1.5	16 •	18	9.6	1.8	0.5	0.2	12
13	0.6	0.6	0.7	0.6F	3.3F	1.5	24	16	9.1	1.8•	0.4	0.2•	13
14	0.5	0.6	0.7	0.6E	3.6E	1.6	24	15	8.8	1.7	0.4	0.2	14
15	0.6	0.6	0.7	0.6	2.7E	1.9	21	13	8.4	1.6	0.3	0.2	15
16	0.6	0.4E	0.7	0.6	2.5•	1.8	17	13	8.2	1.5	0.3	0.2	16
17	0.6	0.4E	0.7	0.6	1.9	2.2	16	13	7.3	1.3	0.3	0.2	17
18	0.7	0.6	0.7	0.6	1.6	3.5	16	15	7.7	1.3	0.3	0.2	18
19	0.6	0.6	1.0	0.7	1.5	4.9	14	14	7.1	1.2	0.3	0.2	19
20	0.8	0.7	2.7	0.7	1.3E	4.2•	9.7	12	6.7	1.2	0.3	0.2	20
21	0.7	0.6	2.5	0.6	1.2E	3.7	9.3	13	6.3	1.0	0.3	0.3	21
22	0.7	0.7	1.2	0.6	1.4E	3.1	11	15	5.8	1.0	0.3	0.3	22
23	0.6	0.8	1.0E	0.6	1.6	2.5	16	16	5.4	0.9	0.2	0.2	23
24	0.6	0.8	0.9E	0.6	1.4E	2.7	19	14	4.9	0.8	0.2	0.2	24
25	0.6	1.0	0.8	0.6	1.2E	4.7	15	13	4.5	0.8	0.2	0.2	25
26	0.8	1.3	0.7E	0.6	1.0F	6.7	13	14	4.2	0.8	0.2	0.3	26
27	1.1	1.0	0.8	0.6	0.7E	8.4	14	14	4.1	0.7	0.2	0.3	27
28	1.1	0.9	0.7E	0.6	0.9	7.9	11	17	3.9	0.9	0.2	0.4	28
29	0.7	1.0	0.7E	0.6		6.8	8.2	24	3.8	1.2	0.2	0.5	29
30	0.7	1.4	0.7E	0.6		5.1	7.8	26	3.5	0.8	0.2	0.4	30
21	0.7		0.6E	0.6		5.6		27		0.8	0.2		21
MEAN	0.6	0.7	1.0	0.6	1.9	3.2	13.9	19.2	10.2	1.6	0.4	0.2	MEAN
MAX.	1.1	1.4	2.7	0.8E	14.0E	8.4	24.0	32.0	26.0	3.3	0.9	0.5	MAX.
MIN.	0.2	0.4E	0.6E	0.5E	0.6	1.0	6.3	9.3	3.5	0.7	0.2	0.2	MIN.
AC. FT.	35	42	63	39	105	198	830	1183	609	99	26	14	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
4.5	53.0E	2.45E	2	10	0650	0.2	1.4	10	1	1910	3242

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 21 26	120 42 11	SE23 29N 11E	483E	3.81	2/24/58	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located 5.0 mi. SW of Susanville. Tributary to Honey Lake via Susan River. Stage-discharge relationship at times affected by ice. Drainage area is 7.2 sq. mi.

TABLE 354

DAILY MEAN DISCHARGE

LONG VALLEY CREEK NEAR DOYLE

IN SECOND FEET

STATION NO	WATER YEAR
G61200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	5.0	5.4	6.9	3.0	13	114 F	17 F	10	0.9	1.7	1.0	1
2	5.4	4.3	6.7	7.2	2.1	30 E	122 E	16 E	9.3	1.0	1.9	1.1	2
3	4.6	4.5	6.1	5.7	2.1	16 E	119 E	15	7.2	0.8	1.6	1.2	3
4	3.8	4.6	7.0	7.3*	2.9	17 E	148 E	13	8.5	1.1	1.7	1.1	4
5	3.1*	4.7	6.6	6.4E	4.3	25 E	163 E	14	7.0	0.9	1.6	1.4	5
6	2.9	4.8	5.2*	6.4	7.3	184 E	149 E	13	5.0	0.9	1.9	1.5	6
7	3.2	5.7	7.4	8.2	12 *	67 E	160 E	12	4.1*	1.0	1.7	0.9	7
8	2.5	5.2	5.4	7.6	13	33 E	179 E	11	3.8	0.9	1.6	0.9	8
9	2.7	4.9*	8.5	7.1	44 E	65 E	253 E	9.9	3.9	1.1	2.6*	1.1	9
10	2.6	5.9	14	6.4	149 E	20 E	157 E	8.7*	2.8	1.1	3.4	1.4	10
11	2.3	6.3	32 E	6.6E	38 E	17 E	105 E	7.0	2.3	1.3	3.1	1.5	11
12	2.6	5.7	42 F	5.9	19 F	17 F	90 F	6.5	2.1	2.1*	2.5	1.7	12
13	2.5	5.0	52 F	7.1	35 F	15	89 F	6.2	2.0	1.9	2.9	1.4	13
14	2.1	8.4	24 E	27 E	114 E	18 E	92 E	6.5	2.2	1.6	2.6	1.5	14
15	2.6	5.1	7.6	30 E	367 E	19 E	98 E	6.9	2.9	1.6	2.0	1.4	15
16	2.9	12	8.5	15	55 E	19 E	84 E	13	3.6	1.5	0.4	1.6	16
17	2.6	13	8.3	20 F	30 E	17 F	64 E	26 E	2.8	1.4	0.7	1.7	17
18	2.9	15	7.6	6.6	18 E	21 E	56 E	12	2.1	1.3	0.9	1.9	18
19	3.0	6.1	8.8	11	17 E	39 #	53 E	6.3	2.2	1.2	1.3	1.9	19
20	3.0	6.0	8.6	13	14	38 E	52 E	4.3	2.7	1.2	1.3E	2.0	20
21	3.8	5.4	7.9	21 E	13	20 E	45 E	4.6	2.5	1.3	1.7	2.3	21
22	3.3	6.5	6.9	7.0E	12	24 E	32 E	4.5	2.2	1.2	1.7	2.3	22
23	3.6	5.4	6.2	5.7E	13	21 E	29 E	4.6	2.4	1.3	1.9	2.1	22
24	3.7	4.8	6.4	5.5E	14	53 E	26 E	4.5	2.4	1.5	1.8	2.3	24
25	3.5	5.2	6.5	5.2E	16 E	148 E	23 E	4.0	2.1	1.5	2.0	2.4	25
26	3.8	5.6	6.2	4.7E	17 E	88 E	21 E	3.7	1.5	1.5	1.9	3.4	26
27	5.6	5.3	6.2	4.0E	18 E	81 E	21 F	9.1	1.5	1.8	2.3	3.0	27
28	5.7	5.1	7.0	3.3E	17 E	129 E	23 E	29 E	1.5	1.9	2.7	3.4	28
29	4.4	5.6	7.0	3.1E		121 E	24 E	22 E	1.5	1.8	2.5	3.4	29
30	4.0	6.5	11	2.8E		101 E	21 E	14	1.4	1.9	1.2	3.4	30
31	4.2		9.2	2.6E		95 E		12		1.6	1.1		31
MEAN	3.8	6.3	11.4	8.9	38.1	50.7	87.1	10.8	3.5	1.4	1.9	1.9	MEAN
MAX.	15.0	15.0	52.0E	30.0E	367 E	184 E	253 E	29.0E	10.0	2.1	3.4	3.4	MAX.
MIN.	2.1	4.3	5.2	2.6E	2.1	13.0	21.0E	3.7	1.4	0.8	0.4	0.9	MIN.
AC. FT.	234	372	699	548	2116	3116	5181	667	209	84	115	111	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
18.5	888	2.32	2	15	0730	0.1	1.41	8	15	0000	13450

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 55 44	120 01 06	SE13 24N 17E	1200E	3.98	2/24/58	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 395 bridge, 8.1 mi. SE of Doyle. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice. Drainage area is approximately 150 sq. mi.

TABLE 355

DAILY MEAN DISCHARGE

BLACKWOOD CREEK NEAR TAHOE CITY

IN SECOND FEET

STATION NO	WATER YEAR
674100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5	3.1	3.6	3.8	5.1E	13 E	21	94	133	50	6.5	2.1	1
2	1.4	3.0	3.2	3.8	5.1E	14 E	24 •	123	147	45	5.9	1.9	2
3	1.2	2.9	2.5	4.2	5.3E	13 E	29	152	139	41	5.3	1.9	3
4	1.1	2.8	2.5	4.0	5.3E	12 E	37	178	117	39	4.7	1.7	4
5	1.0	2.7	2.7	4.0	5.5#	13 E	46	183	106	38	4.3	1.7	5
6	0.9	2.5	2.6	4.0	5.6E	11 E	53	176	107	36	4.1	1.5	6
7	1.1	2.6	2.7	4.5	7.0E	11 E	65	174	108	35	3.7	1.5E	7
8	1.3	2.4	3.1	4.9•	9.3E	11 E	77	192	110	31	3.4	1.5E	8
9	1.4	2.4	3.1	4.9	20 E	11 E	97	199	121	27	4.2	1.5E	9
10	1.5	2.5	3.1E	4.9	35 E	11 E	90	162	126	22	4.5	1.5E	10
11	1.6	2.7	3.1E	4.8E	15 E	11 E	82 •	127	119	21	3.8	1.5E	11
12	1.6	2.8	3.1E	4.7	10 E	11 E	87	110	117 •	21 •	3.7	1.5E	12
13	1.7	2.6	3.1E	5.0E	12 E	11 E	103	91	113	19	3.4	1.5E	13
14	1.6	2.7	3.2	5.0E	13 E	10 E	128	79	91	18	3.5	1.5E	14
15	1.6	2.6	3.2	5.0E	20 E	10 E	162	71	81	17	3.7	1.3E	15
16	1.5	2.3	3.5	5.0E	25 E	10 E	143	70	86	17	3.2	1.3E	16
17	1.2•	2.1	3.4	5.0E	20 E	10 E	132	67	95	14	3.1	1.3E	17
18	1.2	2.3	3.4	5.0E	13 E	10 E	138	77	106	14	3.1	1.3E	18
19	1.3	2.4	5.1	5.0E	12 E	10 E	128	85	111	13	3.4	1.3E	19
20	14	3.2	9.1	5.0E	11 E	10 E	95	80	113	13	3.4	1.3E	20
21	14	2.3•	11	5.0E	11 E	10 E	91	81	105	11	2.9•	1.3E	21
22	2.9	3.0	6.4	5.0E	11 E	10 E	104	98	93	9.5	2.7	1.3E	22
23	1.6	3.1	5.1	5.0E	11 E	10 E	132	103	90	9.1	2.4	1.3E	23
24	1.6	2.9	4.7	5.0E	11 E	10 E	144	87	82	8.8	2.3	1.3E	24
25	1.7	3.1	4.4	5.0E	11 E	11 E	122	76	77	8.5	1.9	1.8E	25
26	2.5	3.6	3.7	5.0E	11 E	13	109	70	72	7.5•	2.1	1.8E	26
27	5.4	3.0	3.5	5.0E	11 E	14	124 •	71	69	6.9	2.1	2.0E	27
28	5.5	2.9	4.0	5.0E	11 E	15	115	94	66	7.5	1.9	2.0E	28
29	3.7	3.6	3.8	5.0E		18	82	115	61	8.2	1.9	2.0E	29
30	3.2	5.3	3.9E	5.0E		18	79	129	54	7.5	2.0	2.0E	30
31	3.1		3.8	5.0E		19		131		7.0	1.9		31
MEAN	2.7	2.8	4.0	4.8	12.2	12.0	94.6	114	101	20.1	3.4	1.6	MEAN
MAX.	14.0	5.3	11.0	5.0E	35.0E	19.0	162	199	147	50.0	6.5	2.1	MAX.
MIN.	0.9	2.1	2.5	3.8	5.1E	10.0E	21.0	67.0	54.0	6.9	1.9	1.3E	MIN.
AC. FT.	168	169	245	293	679	736	5631	7031	5980	1235	208	94	AC. FT.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
31.0	244	6.11	5	8	1850	NR					22470

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 06 27	120 09 37	NE36 15N 16E	401E	6.50	5/23/58	JAN 58-DATE	JAN 58-DATE	1958		0.00	LOCAL

Station located below State Highway 89 bridge, 4.6 mi S of Tahoe City. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice. Drainage area is 11.2 sq. mi.

TABLE 356

DAILY MEAN DISCHARGE

TROUT CREEK NEAR TAHOE VALLEY

IN SECOND FEET

STATION NO	WATER YEAR
G73100	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.0	9.6	13	10 E	10 E	14 E	21	54	60	53	19	9.5	1
2	6.5	9.7E	12	9.6E	10 E	16 E	22 *	60	66	49	18	9.2	2
3	6.7	11	11	9.3E	10 E	17 E	23	63	69	48	18	8.7	3
4	6.0	11	11 E	9.1E	10 F	16 F	26	68	64	51	18	8.4	4
5	7.2	10	12 E	10 E	10 E	15 E	28	70	63	49	17	8.6	5
6	8.4*	11 E	11 E	11 E	10 E	17 E	31	71	65	46	15	8.2	6
7	8.5	11	11 #	10 E	11 E	14 E	37	71	70	45	13	5.7	7
8	9.1	12	11 E	10 #	13 E	14 E	40	76	72	43	12	5.6	8
9	9.4	11	11 E	9.9E	20 #	14 E	47	72	78	38	14	8.1	9
10	9.4	11 *	11 E	9.6E	32 E	14 E	46	67	81	39	13	6.6	10
11	9.3	10	11 E	10 E	19 E	14 E	44	63	83	36	12	6.1	11
12	8.7	9.2	11 E	10 E	16 E	14 E	48 *	61	84	43 *	12	6.4	12
13	8.8	8.7E	11 E	10 E	17 E	14 #	54	55	82 *	39	10	8.0	13
14	8.9	10 E	11 E	10 E	18 E	13 E	61	53	82	36	11	8.4	14
15	8.8	9.8	11 E	10 E	22 E	12 E	69	54	87	33	12	8.3	15
16	8.5	7.9E	11 E	10 E	22 E	11 E	62 E	53	79	28	10	7.7	16
17	7.8	9.1E	11 E	10 E	22 E	11 E	58	51	75	28	12	7.5	17
18	8.0*	5.2E	11 E	10 E	22 E	11 E	58	53	77	29	12	7.1	18
19	8.5	8.0E	11	10 E	22 E	12 E	58	51	81	26	13	7.1	19
20	10	9.0E	14	10 E	20 E	12 E	49	48	82	25	13	8.0	20
21	15	9.0E	13	10 E	16 E	11 E	49	45	80	23	13	8.0	21
22	11	9.0E	12 E	10 E	14 E	12 E	54	46	80	22	13 *	7.7	22
23	11	9.4E	12 E	10 E	14 E	13 E	61	50 *	81	20	13	7.3	23
24	10	10 E	12 E	10 E	14 E	13 E	64	46	79	21	12	7.8	24
25	10	9.8	11 E	10 E	14 E	13 E	61	44	77	23	12	12	25
26	9.7	9.9	11 E	10 E	14 E	13	57	44	73	17 *	11	14	26
27	10	9.4E	12 E	10 E	14 E	16	62 *	47	70	16	11	16	27
28	11	9.5E	10 E	10 E	14 E	17	68	48	64	16	11	15	28
29	9.9	14	10 E	10 E		18	54	49	58	15	11	19	29
30	9.3E	31	10 E	10 E		18	52	55	56	15	10	19	30
31	9.9E		10 E	10 E		18		57		16	10		31
MEAN	9.1	10.5	11.3	10.0	16.1	14.1	48.8	56.3	73.9	31.9	12.9	9.3	MEAN
MAX.	15.0	31.0	14.0	11.0E	32.0E	18.0	69.0	76.0	87.0	53.0	19.0	19.0	MAX.
MIN.	6.0	5.2E	10.0E	9.1E	10.0E	11.0E	21.0	44.0	56.0	15.0	10.0	5.6	MIN.
AC. FT.	560	625	694	612	893	867	2904	3461	4399	1960	795	553	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
25.3	90	7.45	6	15	0620	NR					18320

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 55 12	119 58 17	SE 3 12N 18E	244	7.91	5/23/58	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located 15 ft. below Martin Ave. bridge, 1.8 mi. E of Tahoe Valley. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice. Flow affected by upstream diversions. Flows listed are not considered to have the same degree of accuracy as other records published in this report. Drainage area is 36.7 sq. mi.

TABLE 357

DAILY MEAN DISCHARGE

UPPER TRUCKEE RIVER NEAR MEYERS

IN SECOND FEET

STATION NO	WATER YEAR
G71800	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.5	5.2	5.8	7.4	7.5	13	29	142	354 E	89	19	6.4	1
2	3.2	5.0	6.3	7.2E	7.9	15 E	30	215	440 E	84	17	6.3	2
3	3.1	5.1	5.9	7.4	8.1	16 E	33	268	381 E	79	16	6.2	3
4	2.9	5.1	5.1	6.6E	8.6	15 E	41	389 E	250	77	16	5.5	4
5	3.0	4.8	5.2	6.7E	8.8	15	53	533 E	242	74	16	5.4	5
6	3.0*	4.8	4.9E	6.8E	9.3	17	62	420 E	275	68	15	5.0	6
7	3.2	4.4	4.7E	7.0E	9.8	14	76	406 E	307	63	14	4.9	7
8	3.8	4.5	5.0	6.7#	10	13	82	467 E	318 E	60	13	4.9	8
9	4.2	4.8	5.0E	6.5E	30 #	14	103	411 E	389 E	57	15	4.9	9
10	4.4	4.2*	5.1	6.2E	41	14	106	296	418 E	55	13	4.8	10
11	4.3	3.8	5.0E	6.1E	19	15	95	211	375 E	51	13	4.8	11
12	4.3	3.7	5.1	6.3E	14	14 #	113 *	185	341	58 *	12	4.5	12
13	4.1	3.3	5.3	6.5E	16	14 E	146	140	303	52	12	4.6	13
14	3.8	3.8	5.4	6.4E	16	13 E	192	123	223	47	11	4.8	14
15	3.9	3.8	5.2	6.2	20 E	13 E	215	115	202	44	10	4.7	15
16	3.9	3.5E	5.2	5.9E	20 E	13	192	115	228	42	9.8	4.6	16
17	4.0	2.9E	5.4	6.1	20 E	13	182	109	250	39	9.3	4.6	17
18	3.5*	3.5E	5.5	6.3E	20 E	12	187	122	277	39	9.0	4.5	18
19	3.4	4.1	6.9	6.3E	20 E	12	178	124	294	36	9.1	4.3	19
20	5.0	4.7	12	6.3E	17	13	122	112	266	34	8.8	4.4	20
21	12	4.4	14	6.3E	14	12	113	109	244	32	9.0	4.4	21
22	6.7	4.6	10 E	6.3E	13	13 E	145	145	221	30	8.4	4.4	22
23	5.5	4.8	9.0E	6.3E	13	13 E	210	168	196	28	7.7*	4.3	23
24	5.2	4.7	8.9E	6.5E	13	13 E	243	136	169	26	7.7	4.3	24
25	4.8	4.8	8.4E	6.7E	13 E	14	204	116	153	24	7.4	5.0	25
26	5.0	5.1	7.7E	6.9E	13	15	162	103	132	23 *	7.3	6.8	26
27	5.6	4.8	7.8E	7.1	13 E	18	191 *	103	120	24	6.9	5.6	27
28	6.3	4.6	7.1E	7.0	13	20	164	115	113	23	7.0	5.8	28
29	5.4	5.0	7.6E	7.0		23	113	169	105	21	6.8	5.3	29
30	5.2	5.2	7.0E	7.0		23	109	250	97	21	6.5	5.3	30
31	5.0		7.1E	7.3		25		309		20	6.6		31
MEAN	4.6	4.4	6.7	6.6	15.3	15.1	130	214	256	45.8	10.9	5.0	MEAN
MAX.	12.0	5.2	14.0	7.4	41.0	25.0	243	533 E	440 E	89.0	19.0	6.8	MAX.
MIN.	2.9	2.9E	4.7E	5.9E	7.5	12.0	29.0	103	97.0	20.0	6.5	4.3	MIN.
AC. FT.	280	264	414	407	849	926	7718	13140	15240	2817	673	300	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
59.4	904E	7.71E	5	5	2140E	NR					43030

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 50 35	120 01 25	SE31 12N 18E	1420E	8.70	5/23/58	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located approx. 0.1 mi. E of State Highway 89, 1.1 mi. SW of Meyers. Tributary to Lake Tahoe.
Stage-diacharge relationahip at timea affected by ice. Drainage area is 33.1 sq. mi.

TABLE 358

DAILY MEAN GAGE HEIGHT

EAGLE LAKE NEAR SUSANVILLE

STATION NO	WATER YEAR
G32100	1962

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.10	1.95	1.96	2.10E	2.15E	2.80E	2.85E	3.56	3.44	3.05	2.54	2.08	1
2	2.10	1.94	1.99	2.10E	2.15E	2.80E	2.90E	3.57	3.44	3.03	2.52	2.07	2
3	2.10	1.93	2.01	2.10E	2.15E	2.80E	2.95E	3.56	3.43	3.01	2.46	2.07	3
4	2.10	1.93	1.99	2.10E	2.15E	2.80E	3.11	3.55	3.39	2.99	2.43	2.06	4
5	2.11	1.91	2.00	2.10E	2.15E	2.80E	3.18	3.56	3.39	2.96	2.44	2.06	5
6	2.11	1.92	1.98	2.10E	2.15E	2.80E	3.21	3.55	3.38	2.95	2.42	2.04	6
7	2.12	1.92	2.00E	2.10E	2.20E	2.80E	3.23	3.54	3.36	2.93	2.37	2.04	7
8	2.10	1.92	2.00E	2.10E	2.20E	2.80E	3.29	3.44	3.35	2.90	2.36	2.00	8
9	2.05	1.91	2.00E	2.15E	2.25E	2.80E	3.35	3.48	3.33	2.89	2.38	1.98	9
10	1.97	1.89	2.00E	2.15E	2.30E	2.80E	3.38	3.48	3.32	2.84	2.39	1.94	10
11	1.98	1.92	2.00E	2.15E	2.35E	2.80E	3.39	3.47	3.32	2.84	2.38	1.92	11
12	2.00	1.91E	2.00E	2.15E	2.40E	2.80E	3.38	3.48	3.32	2.84	2.37	1.89	12
13	1.99	1.91E	2.00E	2.15E	2.45E	2.80E	3.41	3.45	3.30	2.81	2.36	1.89	13
14	2.00	1.91E	2.00E	2.15E	2.50E	2.80E	3.43	3.46	3.29	2.79	2.34	1.89	14
15	2.00	1.91E	2.05E	2.15E	2.55E	2.80E	3.44	3.47	3.28	2.77	2.35	1.90	15
16	2.01	1.91E	2.05E	2.15E	2.60E	2.80E	3.48	3.49	3.25	2.75	2.32	1.88	16
17	2.01	1.87	2.05E	2.15E	2.65E	2.80E	3.49	3.45	3.24	2.74	2.28	1.87	17
18	2.00	1.87	2.05E	2.15E	2.70E	2.80E	3.49	3.46	3.23	2.74	2.28	1.82	18
19	1.97	1.87	2.05E	2.15E	2.75E	2.80E	3.52	3.48	3.23	2.72	2.28	1.83	19
20	1.96	1.90	2.05E	2.15E	2.80E	2.80E	3.57	3.48	3.23	2.70	2.26	1.83	20
21	1.97	1.89	2.05E	2.15E	2.80E	2.80E	3.55	3.48	3.22	2.68	2.24	1.81	21
22	1.97	1.84	2.05E	2.15E	2.80E	2.80E	3.57	3.45	3.20	2.67	2.25	1.80	22
23	1.96	1.85	2.05E	2.15E	2.80E	2.80E	3.58	3.46	3.17	2.66	2.23	1.81	23
24	1.95	1.85	2.05E	2.15E	2.80E	2.80E	3.53	3.43	3.16	2.65	2.21	1.80	24
25	1.93	1.89	2.05E	2.15E	2.80E	2.80E	3.58	3.44	3.14	2.63	2.21	1.78	25
26	1.90	1.90	2.05E	2.15E	2.80E	2.80E	3.57	3.47	3.14	2.60	2.16	1.76	26
27	1.92	1.90	2.10E	2.15E	2.80E	2.80E	3.54	3.48	3.12	2.59	2.17	1.75	27
28	2.00	1.88	2.10E	2.15E	2.80E	2.80E	3.59	3.47	3.09	2.59	2.15	1.69	28
29	1.96	1.87	2.10E	2.15E		2.80E	3.61	3.44	3.07	2.58	2.12	1.74	29
30	1.95	1.95	2.10E	2.15E		2.80E	3.59	3.45	3.05	2.56	2.11	1.72	30
31	1.94		2.10E	2.15E		2.85E		3.45		2.54	2.09		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 36 45	120 43 34	SW22 32N 11E		7.25	6/19/58		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville. Maximum gage height listed does not indicate maximum discharge.

SAN FRANCISCO BAY REGION

SAN FRANCISCO BAY REGION

Introduction

The San Francisco Bay Region covers the same portion of coastal California as does the San Francisco Bay Water Pollution Control Region 2. Stream systems in this region drain the western slopes of the coastal ranges and includes the mouth of the Sacramento River. Streamflow in this area results from surface runoff and is sustained through the summer by ground water seepage from the soil mantle.

The 1961-62 water year in this region was 80 percent of normal runoff. It was greatly improved over the last three years.

Tabular Information

On the following pages, data are tabulated for two gaging stations and daily maximum and minimum tides on Suisun Bay at Benicia and Sacramento River at Collinsville for the 1962 water year.

TABLE 359

GAGING STATION
ADDITIONS and DISCONTINUATIONS

SAN FRANCISCO BAY REGION

ADDITIONAL STATIONS
Butano Creek near Pescadero

DISCONTINUED STATIONS
Walnut Creek at Pleasant Hill

PUBLICATION DISCONTINUED
None

TABLE 360

DAILY MEAN DISCHARGE

ARROYO DE LOS COCHES NEAR MILPITAS

IN SECOND FEET

STATION NO	WATER YEAR
E64050	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0*	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.6E	0.1	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	2.3E	0.1	0.0	0.0	0.0*	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0*	0.7	0.1	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0*	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0*	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.9E	0.2	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	3.0E	0.1	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	2.7E	0.1*	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0*	3.1E	0.1	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.9	0.1	0.0*	0.0	0.0	0.0	0.0	0.0	18
19	0.0*	0.0	0.0	0.0	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0*	19
20	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.2*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0*	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.1	0.1	0.0*	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0*	0.0	0.0	0.1	0.1*	0.1	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.1	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.1	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.1		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	3.1E	2.3E	0.1	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					34	15	3						AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.0	16.7E	2.71	2	14	2220	0.0		10	1	0000	52

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 26 38	121 51 45	NW4 6S 1E	3.4	1.79	2/5/60	OCT 59-DATE	SEPT 59-DATE	1959		0.00	LOCAL

Station located 200 ft. above Calaveras Road Bridge, 2.6 mi. NE of Milpitas. Tributary to Coyote Creek via Penitencia Creek. Recorder installed September 16, 1959. (f)

TABLE 361

DAILY MEAN DISCHARGE

PUTANO CREEK NR PESCADERO
IN SECOND FEET

STATION NO	WATER YEAR
005200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	1.6	0.5	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	1.6	0.8	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.1	1.6	0.9	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.1	1.6	1.0	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.2	2.1	1.2	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.2*	1.6	1.2	6
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.6	1.4	1.1	7
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1	1.2	1.0	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1	1.4	1.4	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1	1.2	0.9	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1	1.6	0.8	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.8	1.8	1.0	12
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.8	1.4	0.7	13
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.8	0.9	1.0	14
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.8	0.6	1.2	15
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.6	0.4	NR	16
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.6	0.6	NR	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.5	0.7	0.5	18
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.4	1.4	0.3	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.4	1.3	0.4	20
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.3	1.9	0.3	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.4	1.4	0.3	22
23	NR	NR	NR	NR	NR	NR	NR	NR	1.6	1.2	2.3	0.3	23
24	NR	NR	NR	NR	NR	NR	NR	NR	1.6	1.1	2.1	0.5	24
25	NR	NR	NR	NR	NR	NR	NR	NR	1.3	0.9	1.9	0.4	25
26	NR	NR	NR	NR	NR	NR	NR	NR	1.3	1.1	2.6	0.3	26
27	NR	NR	NR	NR	NR	NR	NR	NR	1.1	1.1	1.4	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	1.1	0.9	0.3	NR	28
29	NR	NR	NR	NR		NR	NR	NR	1.1	1.2	0.3	NR	29
30	NR	NR	NR	NR		NR	NR	NR	0.9	1.1	0.3	NR	30
31	NR		NR	NR		NR		NR		1.4	0.4		31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.4	1.3	NR	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	NR	2.1	2.6	NR	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.9	0.3	NR	MIN.
AC. FT.	NR	NR	NR	NR	NR	NR	NR	NR	NR	87	81	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 13 49	122 21 51	SW14 8S 4W				JUN 62-DATE	JUN 62-DATE	1962		0.00	LOCAL

Station located 1.7 mi. SW intersection Pescadero Road and Old Stage Road in Pescadero. Tributary to Pescadero Creek. Recorder installed June 22, 1962.

TABLE 362

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
891110	1962

SACRAMENTO RIVER AT COLLINSVILLE — in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	5.73 2.07	5.39 1.96	6.28 2.45	6.05 2.19	6.54 1.74	6.59 2.42	6.17 1.82	6.00 2.03	6.72 1.75	7.04 1.89	6.67 2.04	NR NR	1
2	5.61 2.03	5.41 1.93	6.48 2.83	6.17 1.89	6.53 1.74	6.79 2.23	6.34 1.95	6.29 2.09	6.82 1.69	6.99 1.87	6.54 2.17	NR NR	2
3	5.75 2.11	5.36 2.03	6.26 2.66	6.14 1.58	6.65 1.71	6.71 1.92	6.21 2.17	6.58 2.01	7.02 1.81	6.96 1.97	6.34 2.23	NR NR	3
4	5.61 2.23	5.42 1.96	6.19 2.27	6.38 1.57	6.68 1.71	6.79 2.01	6.35 2.17	6.82 1.97	6.86 1.64	6.83 2.03	5.94 2.17	NR NR	4
5	5.72 2.25	5.48 1.99	6.23 2.01	6.35 1.43	6.55 1.70	7.44 3.05	6.37 1.99	6.83 1.82	6.65 1.56	6.71 2.22	5.60 2.10	NR NR	5
6	5.68 2.50	5.67 1.91	6.33 1.82	6.45 1.45	6.49 1.89	7.58 2.87	6.34 1.79	6.84 1.80	6.46 1.64	6.31 2.15	5.77 2.26	NR NR	6
7	5.89 2.35	5.88 1.85	6.50 1.85	6.51 1.55	6.75 3.37	6.92 2.65	6.43 1.75	6.75 1.88	6.24 1.88	5.89 2.21	5.85 2.51	NR NR	7
8	5.30 1.96	6.07 1.85	6.86 1.93	NR NR	6.41 2.39	6.77 2.92	6.61 1.97	7.02 2.24	6.01 2.04	5.91 2.19	6.01 2.70	NR NR	8
9	5.76 2.33	6.23 1.89	6.80 1.86	NR NR	6.99 2.62	7.08 3.03	6.63 1.91	6.25 1.79	6.09 2.15	6.15 2.43	6.15 2.46	NR NR	9
10	5.80 2.13	6.40 1.91	6.55 1.63	NR NR	7.05 3.17	6.76 2.68	5.93 1.58	5.81 1.85	5.94 2.12	6.14 2.61	6.36 2.18	NR NR	10
11	5.80 1.97	6.15 1.58	6.31 1.63	NR NR	7.31 3.47	6.64 2.48	5.68 1.61	5.83 1.79	6.02 2.27	4.73 2.77	6.59 2.11	NR NR	11
12	5.75 1.78	5.93 3.21	5.88 1.57	NR NR	7.24 3.24	6.20 2.10	5.56 1.69	5.94 2.02	6.38 2.73	6.34 2.53	6.69 2.04	NR NR	12
13	5.81 2.73	5.78 1.41	5.61 1.57	NR NR	7.68 3.41	5.91 1.99	5.61 1.95	6.22 2.38	5.37 2.79	6.55 2.23	6.79 1.84	NR NR	13
14	5.93 1.80	5.60 1.45	5.80 1.69	NR NR	7.25 3.18	5.88 2.15	5.93 2.36	5.26 2.48	6.84 2.52	6.72 2.21	6.79 2.01	NR NR	14
15	5.93 1.85	5.60 1.66	6.01 1.90	NR NR	8.03 3.87	6.06 2.06	6.20 2.22	6.10 2.54	6.68 2.17	6.94 2.14	5.46 1.82	NR NR	15
16	6.00 1.87	5.53 1.77	6.13 2.18	6.28 1.82	7.64 3.54	6.17 2.18	5.89 2.24	6.37 2.53	6.86 2.14	7.12 2.19	6.79 2.01	NR NR	16
17	6.05 2.03	5.55 1.76	6.39 2.26	6.43 1.81	7.38 3.39	6.11 2.10	5.99 2.30	6.28 2.16	6.95 2.02	7.44 2.46	6.72 2.09	NR NR	17
18	4.11 2.17	5.78 1.90	6.47 2.08	6.43 1.86	7.66 3.57	6.26 2.31	6.02 2.35	6.55 2.07	6.94 1.75	7.45 2.47	6.46 2.09	6.69 2.76	18
19	6.09 2.31	6.10 2.09	6.61 1.98	6.86 2.71	7.49 3.62	6.55 2.76	6.20 2.37	6.60 1.95	6.94 1.67	7.22 2.23	6.19 2.21	6.59 2.45	19
20	5.90 2.29	6.53 2.26	6.64 1.93	6.86 2.31	7.21 3.34	6.25 2.44	6.11 1.80	6.48 1.59	6.89 1.73	6.87 2.09	6.37 2.46	6.50 2.37	20
21	5.90 2.21	6.07 1.50	6.56 1.73	6.43 1.78	6.70 3.19	5.98 2.50	5.99 1.72	6.38 1.43	6.90 1.84	6.47 2.02	6.64 2.95	6.31 2.24	21
22	5.73 1.95	6.10 1.48	6.49 1.73	5.87 1.60	6.45 3.84	6.27 2.88	6.18 1.72	6.55 1.63	6.91 2.29	6.21 2.21	6.89 2.76	6.31 2.16	22
23	6.00 1.86	6.40 1.77	6.28 3.33	6.00 3.15	6.46 3.17	6.03 2.32	6.31 1.81	6.49 1.68	6.62 2.19	6.45 2.44	6.83 2.62	6.29 2.15	23
24	6.15 1.84	6.73 3.62	6.14 1.75	5.74 1.79	6.49 3.39	5.74 2.10	6.39 1.77	6.34 1.53	6.06 1.84	6.64 2.77	6.73 2.42	5.79 2.25	24
25	6.36 1.98	6.66 2.23	5.95 1.69	5.44 1.92	6.26 3.42	5.70 1.93	6.16 1.52	6.08 1.65	6.18 1.91	6.74 2.71	6.79 2.32	6.41 2.49	25
26	6.38 2.03	6.00 2.07	5.47 1.65	5.34 1.89	5.82 2.77	5.80 1.97	5.78 1.39	6.00 1.68	6.46 2.29	6.90 2.54	6.77 2.41	6.37 2.54	26
27	6.30 1.93	5.63 1.77	4.99 1.56	5.29 1.84	5.71 2.46	5.80 1.92	5.75 1.77	6.32 1.95	6.66 2.28	6.94 2.39	NR NR	6.33 2.59	27
28	5.57 2.01	5.43 1.75	5.00 1.46	5.35 2.01	6.05 2.51	5.94 2.13	5.84 1.67	6.37 2.04	5.29 2.22	7.04 2.34	NR NR	6.14 2.55	28
29	4.97 1.49	5.80 1.95	5.15 1.59	5.55 1.98		6.14 2.05	5.59 1.57	5.40 2.36	6.94 2.14	5.67 2.31	NR NR	5.91 2.49	29
30	5.23 1.40	6.00 2.43	5.30 1.79	5.81 1.82		5.87 1.66	5.85 1.75	6.55 2.26	7.00 2.02	7.07 2.34	NR NR	5.91 2.44	30
31	5.33 1.66		5.43 2.03	6.15 1.84		5.82 1.54		6.66 1.96		6.88 2.14	NR NR		31
MAXIMUM	6.39	6.73	6.86	NR	8.03	7.58	6.63	7.02	7.02	7.45	NR	NR	MAXIMUM
MINIMUM	1.40	1.41	1.46	NR	1.70	1.54	1.39	1.43	1.56	1.87	NR	NR	MINIMUM

E – Estimated
NR – No Record

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 04 25	121 51 18	SW27 3N 1E		9.2	4/6/58		JUN 29-DATE	1929 1929		0.00 -3.05	USED USCGS

Station located 0.4 mi. SW of Collinsville, 3.3 mi. NE of Pittsburg. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge. (s)

TABLE 363

• DAILY MAXIMUM AND MINIMUM TIDES

SUISUN BAY AT BENICIA ARSENAL

in feet

STATION NO	WATER YEAR
E03300	1962

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.67 8.03	12.40 8.05	13.46 8.93	12.96 8.19	13.33 7.69	15.38 10.00	13.00 7.71	12.91 7.78	13.58 7.68	13.80 7.69	14.41 7.86	12.87 8.36	1
2	12.46 8.05	12.45 8.15	13.62 9.25	13.12 7.91	13.56 7.65	15.60 9.88	13.22 7.72	13.25 7.82	13.61 7.45	12.41 7.67	13.30 7.95	12.78 8.59	2
3	12.63 8.03	12.45 8.17	13.32 8.60	13.15 7.68	13.69 7.65	15.62 9.82	13.12 7.82	13.60 7.68	13.88 7.50	13.69 7.70	13.08 8.05	12.76 8.85	3
4	12.60 8.07	12.54 8.10	13.17 8.05	13.40 7.65	13.76 7.65	15.82 9.88	13.23 7.81	13.84 7.66	13.60 7.42	13.49 7.79	12.70 8.04	12.73 8.73	4
5	12.72 8.13	12.68 8.12	13.24 7.81	13.41 7.54	13.61 7.66	16.72 10.67	13.28 7.73	13.80 7.60	13.40 7.48	13.37 7.95	12.35 8.05	12.74 9.45	5
6	12.85 8.37	12.79 7.94	13.49 7.74	13.51 7.54	13.59 7.71	16.60 10.10	13.25 7.63	13.78 7.62	13.08 7.57	13.00 8.02	12.50 8.30	12.92 8.67	6
7	12.63 8.37	13.03 7.86	13.66 7.75	13.58 7.57	13.71 8.08	15.84 10.00	13.39 7.63	13.68 7.68	12.86 7.68	12.58 8.16	12.70 8.81	13.10 8.54	7
8	12.32 7.91	13.23 7.89	13.97 7.75	13.75 7.77	13.46 8.38	15.69 10.11	13.47 7.66	13.80 7.90	12.60 7.80	12.70 8.23	12.81 9.34	13.38 8.43	8
9	12.90 8.33	13.35 7.86	13.94 7.71	13.40 7.70	14.11 9.08	15.93 10.26	13.36 7.67	13.03 7.65	12.71 8.10	12.90 8.70	12.89 8.71	13.43 8.21	9
10	12.86 8.06	13.42 7.86	13.70 7.64	12.85 7.69	13.95 9.25	15.53 9.98	12.69 7.62	12.52 7.73	12.56 8.15	12.92 8.96	13.11 8.21	13.60 8.04	10
11	12.91 7.88	13.18 7.80	13.41 7.58	12.69 7.94	13.97 9.03	15.44 9.90	12.47 7.64	12.52 7.77	12.66 8.43	13.08 8.86	13.35 8.03	13.79 7.90	11
12	12.87 7.77	12.97 7.82	12.89 7.68	13.15 9.25	13.92 8.74	14.94 9.80	12.35 7.79	12.63 8.03	13.05 8.73	13.27 8.49	13.50 7.85	12.69 7.90	12
13	12.90 7.76	12.76 7.80	12.67 9.85	13.13 8.27	14.35 8.75	14.65 9.80	12.77 7.95	12.93 8.40	13.37 8.72	13.57 8.21	13.65 7.75	13.64 7.85	13
14	12.97 7.79	12.53 9.88	12.86 7.75	13.07 7.95	13.94 8.39	14.65 9.90	12.85 8.13	12.88 8.62	13.40 8.33	13.79 7.99	12.10 7.70	13.55 7.90	14
15	12.93 9.88	12.49 7.85	13.17 7.99	13.12 8.37	14.57 8.85	14.78 9.92	12.39 8.04	12.02 8.52	13.46 7.88	12.15 7.88	13.65 7.65	13.34 8.04	15
16	12.91 7.79	12.60 7.83	13.26 8.18	NR NR	14.17 8.17	14.96 9.90	12.71 8.11	13.15 8.31	13.63 7.79	13.93 7.82	13.71 7.78	13.56 8.32	16
17	12.95 7.93	12.68 7.78	13.68 8.20	NR NR	13.90 8.04	14.93 9.90	12.79 8.16	13.15 8.00	12.10 7.65	14.10 7.90	13.62 7.81	13.76 8.37	17
18	12.97 8.05	13.00 7.95	13.66 7.99	NR NR	14.26 8.25	15.06 9.98	12.85 8.10	13.26 7.79	13.66 7.57	14.10 7.90	13.34 7.88	13.50 8.17	18
19	12.79 8.03	13.32 8.06	13.78 7.85	NR NR	14.08 8.46	15.31 10.23	13.05 8.26	13.40 7.74	13.71 7.54	13.90 7.77	13.16 8.08	13.39 9.47	19
20	12.95 8.12	13.69 7.89	13.77 7.81	NR NR	13.85 8.37	15.13 10.18	12.88 7.74	13.21 7.59	13.66 7.57	13.60 7.78	13.33 8.44	13.33 8.10	20
21	12.90 8.00	13.11 7.81	13.64 7.76	NR NR	13.29 8.48	14.83 10.18	12.82 7.74	13.16 7.53	13.54 7.69	13.20 7.85	13.56 8.80	13.10 8.00	21
22	12.91 7.82	13.27 7.77	13.54 7.80	NR NR	13.02 8.78	15.07 10.56	13.02 7.70	13.31 7.57	13.43 7.80	13.27 8.32	13.72 8.81	13.06 7.92	22
23	13.19 7.78	13.53 7.75	13.32 7.80	NR NR	13.08 9.23	14.87 10.00	13.10 7.67	13.20 7.56	13.07 7.87	13.32 8.33	13.59 8.46	13.09 7.98	23
24	13.35 7.78	13.75 7.98	13.15 7.73	NR NR	13.13 9.63	14.65 9.90	13.04 7.63	12.99 7.51	12.84 7.80	13.43 8.72	13.47 8.15	13.13 8.00	24
25	13.51 7.82	13.79 7.82	12.87 7.72	12.41 7.96	12.94 9.38	14.56 9.88	12.84 7.55	12.79 7.64	12.92 7.91	13.56 8.41	13.50 7.98	13.16 8.08	25
26	13.48 7.78	12.89 7.74	12.43 7.78	12.32 8.09	12.56 8.79	14.68 9.90	12.50 7.50	12.77 7.71	13.36 8.37	13.60 8.15	13.53 7.95	12.77 8.34	26
27	13.30 7.82	12.54 7.78	12.09 7.79	12.26 8.39	12.39 8.53	14.63 9.86	12.60 7.72	13.07 7.86	13.54 8.15	13.66 7.98	13.41 7.92	13.07 8.39	27
28	12.52 7.70	12.36 8.13	12.06 9.64	12.30 8.50	13.97 10.19	12.71 7.90	12.63 7.60	13.18 7.98	13.67 7.97	13.70 7.85	12.50 7.90	13.01 8.46	28
29	11.92 9.78	13.01 10.89	12.20 7.95	12.47 8.20		12.78 7.79	12.72 7.59	12.11 8.27	13.73 7.79	12.31 7.84	13.46 8.08	12.82 8.50	29
30	12.12 7.76	13.13 8.82	12.41 8.27	12.74 7.93		12.63 7.59	12.42 7.64	13.40 8.03	13.87 7.79	13.75 7.85	13.29 8.03	12.90 8.42	30
31	12.23 7.90		12.51 8.30	13.10 7.76		12.64 7.57		13.50 7.78		13.53 7.78	13.16 8.30		31
MAXIMUM	13.51	13.79	13.97	NR	14.57	16.72	13.47	13.84	13.88	14.10	14.41	13.79	MAXIMUM
MINIMUM	7.70	7.74	7.58	NR	7.65	7.57	7.50	7.51	7.42	7.67	7.65	7.85	MINIMUM

E - Estimated
NR - No Record

• In order to machine process the data in this table, it was neccaary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 02 2[illegible]	122 [illegible] 13	NE12 2N 3W		6.72	3/5/62		JUN 29-APR 40	1929	1940	-2.21	USCOS
							APR 40-DATE	1940 1942	1942	-5.00 0.00	USCOS USCOS

Station located on inshore side of wharf, immediately SE of Benicia. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge. Period of record intermittent from 1929-1940. (a)

CONTENTS OF RESERVOIRS

TABLE 364

DAILY CONTENT

SHASTA LAKE

in thousands of acre-feet

STATION NO	WATER YEAR
A21050	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2327.7	2210.3	2306.4	2579.7	2721.1	3620.9	4009.3	4320.7	4290.7	4009.9	3583.8	3129.4	1
2	2324.1	2207.3	2342.4	2584.2	2724.5	3619.9	4024.2	4321.5	4288.6	3997.6	3569.8	3116.6	2
3	2319.9	2203.3	2360.4	2589.7	2725.8	3616.8	4039.1	4323.0	4282.0	3985.8	3555.5	3103.4	3
4	2315.3	2198.5	2373.3	2594.6	2727.7	3613.2	4054.3	4324.4	4279.5	3969.7	3538.8	3091.8	4
5	2311.0	2194.2	2381.4	2598.9	2731.1	3634.6	4070.0	4323.6	4275.7	3957.7	3521.6	3081.9	5
6	2306.1	2192.0	2386.7	2600.8	2738.1	3669.5	4085.9	4321.2	4270.3	3947.1	3507.3	3072.9	6
7	2299.6	2188.9	2391.7	2603.1	2766.5	3687.4	4102.0	4321.8	4264.8	3932.7	3494.2	3064.2	7
8	2294.2	2186.5	2398.3	2606.8	2815.7	3698.4	4119.6	4324.4	4259.4	3916.5	3481.2	3052.2	8
9	2290.4	2182.7	2402.4	2611.7	2919.5	3706.7	4136.2	4326.2	4249.7	3904.4	3468.7	3041.7	9
10	2287.2	2179.9	2405.1	2615.6	3009.3	3713.8	4151.3	4327.6	4238.5	3893.9	3455.0	3035.1	10
11	2284.4	2176.3	2407.6	2619.5	3061.9	3720.6	4164.3	4330.2	4230.8	3882.3	3439.8	3028.2	11
12	2281.6	2173.4	2410.6	2624.9	3127.8	3727.9	4176.7	4329.9	4224.0	3870.8	3423.5	3022.5	12
13	2277.6	2169.9	2413.3	2627.4	3259.3	3736.6	4190.0	4326.4	4216.0	3859.0	3409.6	3017.1	13
14	2273.9	2166.7	2415.8	2628.2	3338.2	3746.1	4204.4	4325.0	4206.7	3843.3	3395.1	3012.1	14
15	2270.1	2164.7	2418.0	2631.5	3418.5	3758.2	4219.7	4324.7	4197.9	3826.5	3381.1	3002.5	15
16	2267.0	2161.8	2420.1	2635.4	3481.4	3771.4	4233.1	4324.1	4185.1	3812.7	3367.7	2992.6	16
17	2263.2	2158.9	2423.6	2639.0	3524.4	3783.3	4245.4	4323.8	4173.3	3799.5	3353.8	2986.3	17
18	2259.3	2156.2	2430.5	2644.4	3557.8	3791.3	4258.2	4323.3	4162.0	3786.8	3335.7	2981.1	18
19	2255.4	2153.1	2444.0	2661.6	3578.7	3802.6	4269.7	4319.8	4151.9	3774.0	3318.5	2975.0	19
20	2252.2	2149.5	2468.1	2671.3	3593.8	3818.0	4280.3	4315.5	4141.2	3760.8	3304.3	2968.7	20
21	2248.5	2147.4	2497.5	3675.4	3604.5	3833.2	4286.6	4314.3	4130.8	3744.2	3290.5	2963.3	21
22	2244.8	2144.9	2514.7	2680.0	3611.4	3854.8	4291.8	4312.6	4120.2	3727.2	3277.3	2954.3	22
23	2240.3	2145.9	2525.4	2685.3	3616.6	3872.9	4297.9	4311.1	4106.2	3713.5	3264.1	2945.2	23
24	2237.2	2164.5	2533.6	2690.3	3619.9	3889.8	4304.8	4309.1	4092.0	3700.5	3249.9	2940.0	24
25	2233.5	2183.9	2541.9	2694.1	3622.5	3905.7	4309.1	4306.2	4080.9	3686.6	3232.0	2934.9	25
26	2229.8	2204.0	2549.2	2697.9	3622.5	3919.5	4310.8	4304.2	4072.3	3673.6	3213.7	2929.8	26
27	2228.5	2215.2	2556.9	2700.4	3620.4	3934.4	4316.9	4299.6	4062.6	3660.4	3196.6	2925.5	27
28	2224.6	2219.9	2565.0	2701.5	3621.2	3950.4	4320.1	4297.6	4052.3	3642.8	3175.8	2924.0	28
29	2221.5	2232.2	2570.7	2706.4		3965.3	4320.4	4296.1	4041.3	3625.6	3164.3	2916.2	29
30	2217.8	2254.3	2573.8	2711.4		3980.3	4320.1	4294.1	4026.1	3611.9	3153.5	2908.0	30
31	2213.4		2576.4	2716.7		3994.3		4292.7		3597.6	3143.0		31
CHAN.	-119.6	+40.9	+322.1	+140.3	+904.5	+373.1	+325.8	-27.4	-266.6	-428.5	-454.6	-235.0	CHAN.
MAX.	2327.7	2254.3	2576.4	2716.7	3622.5	3994.3	4320.4	4330.2	4290.7	4009.9	3583.8	3129.4	MAX.
MIN.	2213.4	2144.9	2306.4	2579.7	2721.1	3613.2	4009.3	4292.7	4026.1	3597.6	3143.0	2908.0	MIN.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
# - E and *

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO.	DAY	TIME	DAILY CONTENT	MO.	DAY	TIME
4330.2	5	11	1200	2144.9	11	22	1200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 43 10	122 25 10	NW15 33N 5W				NOV 42 - DATE	NOV 42 - DATE	1942		0.00	USCGS

Station located in Shasta Dam, 2 mi. below Squaw Creek, 9.5 mi. N. of Redding. Usable capacity, 4,377,000 acre feet between elevations 737.75 and 1,065.0 ft. above mean sea level. Not available for release, 115,700 acre feet. Inflow to Shasta Lake takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the dam site if the dam had not been constructed. Period of record for computed inflow is shown under period of record for discharge. Period of record for daily content is shown under period of record for stage. Records furnished by U.S.B.R. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

TABLE 365

DAILY CONTENT MILLERTON LAKE

In thousands of acre-ft.

STATION NO	WATER YEAR
	19

DAY	OCT	NOV	DEC.	JAN	FEB	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
3	15[illegible].1	144.[illegible]	154.5	181.1	[illegible]	381.6	341.7	[illegible]3.7	380.0	4[illegible].5	3[illegible].[illegible]	165.[illegible]	3
4	1[illegible].4	144.6	156.3	181.6	210.1	[illegible]4.2	33[illegible].5	254.3	38[illegible].2	42[illegible].6	[illegible]3.8	161.8	4
5	1[illegible]	144.[illegible]	157.1	182.1	209.[illegible]	386.[illegible]	335.4	263.5	388.9	424.[illegible]	[illegible]49.2	158.6	5
6	15[illegible]	143.8	158.[illegible]	182.5	208.0	394.3	332.5	[illegible]73.5	392.4	42[illegible].5	[illegible]4.5	155.4	6
7	1[illegible].4	143.4	159.1	183.0	208.5	401.0	330.[illegible]	283.0	396.8	[illegible]0.[illegible]	[illegible]90.0	152.5	7
8	153.[illegible]	143.1	[illegible]0.[illegible]	183.[illegible]	210.[illegible]	406.5	3[illegible].[illegible]	292.7	[illegible]1.1	417.9	[illegible].[illegible]	149.8	8
9	1[illegible].1	[illegible].[illegible]	160.8	184.2	216.[illegible]	410.4	325.4	301.4	405.5	415.0	2[illegible].[illegible]	14[illegible].2	9
10	152.5	142.3	161.[illegible]	185.0	231.9	412.[illegible]	323.[illegible]	308.8	410.3	411.7	[illegible]7.3	144.[illegible]	10
11	151.9	141.[illegible]	161.8	185.[illegible]	248.5	414.[illegible]	320.[illegible]	314.1	414.3	408.3	[illegible]73.[illegible]	142.1	11
12	151.3	141.[illegible]	162.5	186.5	258.[illegible]	415.4	317.[illegible]	319.[illegible]	41[illegible].7	404.8	26[illegible].[illegible]	139.9	12
13	151.0	141.[illegible]	163.0	187.2	266.[illegible]	417.2	314.0	323.1	420.5	400.8	263.8	138.[illegible]	13
14	150.[illegible]	141.2	1[illegible].7	187.5	274.[illegible]	418.2	311.2	325.8	422.5	396.8	25[illegible].8	137.[illegible]	14
15	150.3	140.9	165.0	188.1	283.[illegible]	416.[illegible]	308.[illegible]	328.3	424.4	392.8	[illegible]53.[illegible]	136.3	15
16	151.1	140.7	[illegible]6.[illegible]	188.5	293.[illegible]	413.8	305.3	330.5	425.5	388.9	248.1	135.[illegible]	16
17	150.6	140.9	167.2	189.0	[illegible]1.5	409.5	302.2	332.6	426.1	384.8	[illegible]43.1	135.1	17
18	150.1	140.9	168.4	189.[illegible]	[illegible]08.[illegible]	403.9	299.1	334.[illegible]	427.9	380.[illegible]	238.1	134.9	18
19	149.5	141.0	169.8	190.[illegible]	[illegible]15.8	398.3	296.1	336.[illegible]	430.2	376.2	233.3	134.9	19
20	149.0	142.[illegible]	171.2	192.6	322.6	392.4	293.1	338.6	433.2	372.2	228.1	135.3	20
21	148.[illegible]	143.1	172.5	194.1	329.1	388.[illegible]	290.1	339.9	[illegible]36.5	36[illegible].8	223.1	1[illegible].8	21
22	148.3	143.5	174.0	195.9	335.2	384.2	287.2	341.1	439.1	362.9	[illegible]18.[illegible]	136.7	22
23	14[illegible].0	143.9	174.6	197.4	341.3	380.5	284.3	343.7	441.6	358.0	[illegible]13.0	137.4	23
24	147.5	144.3	174.9	198.4	347.2	377.0	281.2	346.3	442.4	353.5	208.3	137.8	24
25	147.1	145.2	175.4	199.3	352.4	372.9	278.0	348.6	442.5	348.6	204.1	138.4	25
26	147.0	146.2	176.1	200.0	357.8	368.[illegible]	274.7	350.5	442.1	344.0	199.9	138.9	26
27	146.9	147.1	176.8	200.8	363.5	365.8	271.3	352.0	441.6	339.6	195.1	140.5	27
28	146.8	147.9	177.6	201.5	370.2	361.9	268.1	353.3	440.3	335.0	190.2	142.7	28
29	146.4	148.5	178.4	202.3		358.0	265.1	354.1	439.1	330.4	185.5	144.5	29
30	146.2	149.6	179.2	203.1		354.6	261.7	356.3	437.5	325.7	1[illegible].8	146.0	30
31	145.7		179.7	204.4		351.4		360.1		321.1	176.3		31
Monthly Change	- 13.5	+ [illegible].[illegible]	+ 30.1	+ 24.7	+ 165.8	- 18.8	- 89.7	+ 98.4	+ 77.4	- 116.4	- 144.8	- 30.3	

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE-FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M. D. B & M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 00 00	119 42 10	SW 5 11S 21E				OCT 31-DATE	OCT 41-DATE	1941		0.00	USOGS

Station located near center of Friant Dam on San Joaquin River, immediately above Cottonwood Creek, 0.9 mi. NE of Friant. Usable capacity, 503,000 ac.-ft. between elevations 375.4 and 578.0 ft. above mean sea level. Not available for release, 17,400 ac.-ft. Records furn. by U.S.B.R.

TABLE 366

DAILY CONTENT

FOLSOM LAKE NEAR FOLSOM
In thousands of acre-feet

STATION NO.	WATER YEAR
A71121	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	387.8	362.8	363.1	399.2	445.3	622.6	454.8	649.0	852.6	944.3	778.4	588.0	1
2	386.7	362.6	366.3	399.8	446.5	625.2	456.4	653.5	859.8	940.2	772.7	582.8	2
3	385.5	362.5	368.7	400.6	448.0	620.3	458.5	661.9	867.8	935.6	767.0	577.6	3
4	384.4	362.3	369.6	401.5	449.2	612.8	461.7	672.3	874.3	931.4	761.2	572.0	4
5	383.1	361.8	370.6	402.6	450.4	605.2	466.7	685.6	879.2	927.0	755.4	567.0	5
6	381.9	361.4	371.4	403.6	451.7	611.9	472.6	699.7	883.6	923.3	748.5	562.2	6
7	380.9	360.9	372.2	404.5	453.7	614.1	480.2	709.8	887.9	919.9	742.4	557.4	7
8	379.7	360.6	372.9	405.4	458.9	610.6	487.9	720.0	892.3	915.2	736.7	553.0	8
9	378.5	360.2	373.6	406.5	481.8	605.1	496.3	733.4	897.1	910.9	731.4	547.8	9
10	377.2	360.0	374.0	408.0	546.3	598.1	505.7	745.9	902.3	907.1	726.1	542.6	10
11	376.2	359.8	374.4	409.2	566.2	590.1	512.8	753.2	906.6	902.0	720.1	537.9	11
12	375.2	359.4	374.9	410.5	575.0	581.1	519.2	759.1	911.3	896.4	713.6	533.2	12
13	374.3	358.9	375.3	411.7	596.9	571.0	527.2	762.6	916.7	891.4	706.7	528.7	13
14	373.4	358.4	375.9	412.7	626.4	560.7	537.9	764.9	920.9	886.3	699.7	524.0	14
15	372.6	358.1	376.6	413.4	664.6	550.5	551.3	767.2	923.9	879.5	692.9	519.4	15
16	371.5	357.7	377.1	414.1	687.9	540.3	563.1	770.8	926.3	873.5	685.9	514.5	16
17	370.4	357.4	377.6	414.8	695.1	530.2	572.6	774.9	928.8	867.9	679.3	509.2	17
18	369.6	357.2	378.2	415.5	695.1	519.7	581.6	779.3	931.7	861.6	673.2	504.8	18
19	368.8	356.8	379.1	418.0	691.8	509.2	592.2	785.9	935.2	856.1	666.2	500.5	19
20	368.1	356.8	380.8	425.9	686.9	499.5	597.6	792.1	939.0	850.2	659.5	496.0	20
21	367.4	356.7	384.8	492.4	679.9	489.9	600.5	796.9	942.3	844.7	653.0	491.8	21
22	366.9	356.6	388.6	431.1	672.1	482.2	602.9	801.9	945.1	837.8	646.6	487.9	22
23	366.6	356.6	390.9	432.8	663.6	474.6	609.2	807.7	947.7	831.3	640.5	483.3	23
24	366.1	356.6	392.4	434.2	655.1	468.4	617.6	812.7	949.3	825.5	634.5	478.5	24
25	365.6	356.9	393.5	435.7	645.9	463.0	624.7	816.8	949.7	819.8	628.7	474.4	25
26	365.1	356.8	394.4	437.6	636.3	458.2	628.2	819.7	950.6	814.1	622.0	470.3	26
27	364.6	356.9	395.4	439.0	631.5	455.6	631.5	822.4	950.9	808.5	615.5	466.1	27
28	364.2	357.1	396.3	440.2	626.6	454.2	642.4	825.9	950.7	802.9	609.5	462.1	28
29	363.8	357.7	397.2	441.5		453.0	645.6	831.3	949.7	797.0	603.7	458.3	29
30	363.7	359.9	397.9	442.9		453.8	646.2	838.4	948.2	790.2	598.0	454.2	30
31	363.1		398.7	444.2		454.0		845.6		783.9	592.4		31
CHAN.	-25.9	-3.2	+38.8	+45.5	+182.4	-172.6	+192.2	+199.4	+102.6	-164.3	-191.5	-138.2	CHAN
MAX.	387.8	362.8	398.7	444.2	695.1	625.2	646.2	845.6	950.9	944.3	778.4	588.0	MAX.
MIN.	363.1	356.6	363.1	399.2	445.3	453.0	454.8	649.0	852.6	783.9	592.4	454.2	MIN.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
— E AND •

MAXIMUM				MINIMUM			
DAILY CONTENT	MO.	DAY	TIME	DAILY CONTENT	MO.	DAY	TIME
950.9	6	27	1200	356.6	11	22	1200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 42 29	121 09 22	NE24 10N 7E				FEB 55-DATE	FEB 55-DATE	1955		0.00	USCOS

Station located 0.7 mi. below So. Fork American River, 2.3 mi. NE of Folsom. Records furn. by USBR.
Drainage area is 1,875 sq. mi.

Folsom Reservoir has a usable capacity of 1,000,000 ac. ft. between elevations.
205.5 and 466.0 ft. above mean sea level, practically all of which is available for release.
Spillway design flood pool elevation is 475.4 ft. (capacity 1,120,000 ac. ft.)

Daily content figures given herein, representing usable content, are shown at 12 Noon. Period of record is shown under period of record for gage height.

TABLE 367
DAILY CONTENT

LAKE BERRYESSA NEAR WINTERS
In thousands of acre-feet

STATION NO.	WATER YEAR
A91200	1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	989.7	978.1	988.3	995.7	999.9	1170.6	1242.9	1234.2	1206.9	1172.5	1135.2	1104.5	1
2	989.4	977.9	992.8	995.5	999.8	1179.6	1243.3	1233.9	1206.3	1171.3	1134.0	1103.8	2
3	988.9	977.8	994.4	995.7	999.8	1182.5	1243.4	1233.2	1205.0	1170.1	1132.7	1103.2	3
4	988.3	977.6	994.7	994.9	999.6	1184.8	1243.4	1232.5	1203.9	1168.7	1131.2	1101.8	4
5	987.9	977.5	994.6	995.4	999.6	1193.7	1243.4	1231.6	1202.6	1167.6	1130.3	1100.8	5
6	987.3	977.3	994.9	995.2	999.9	1210.1	1243.4	1231.0	1201.5	1166.4	1129.2	1100.0	6
7	985.9	977.3	994.9	995.2	1001.3	1215.8	1243.4	1230.1	1200.5	1165.2	1128.0	1099.0	7
8	984.8	977.2	994.9	994.9	1005.1	1219.7	1243.3	1229.1	1199.3	1163.8	1126.8	1097.9	8
9	984.8	977.0	994.7	994.6	1023.7	1222.5	1243.1	1228.4	1198.5	1162.7	1126.0	1097.2	9
10	984.5	976.8	994.6	994.2	1029.5	1224.4	1243.1	1227.5	1197.3	1161.7	1125.0	1096.2	10
11	984.0	976.8	994.4	994.2	1031.4	1225.9	1242.7	1226.6	1195.6	1160.1	1124.2	1095.4	11
12	983.9	976.7	994.4	994.2	1033.9	1227.5	1242.6	1225.6	1194.2	1159.3	1123.3	1094.3	12
13	983.7	975.9	994.4	994.1	1067.6	1228.5	1242.4	1224.7	1193.0	1158.1	1122.7	1093.3	13
14	983.7	975.9	994.6	994.1	1097.6	1229.9	1242.0	1224.0	1191.8	1157.3	1121.8	1092.6	14
15	983.6	975.8	994.7	993.9	1125.5	1230.8	1241.7	1223.2	1190.5	1156.3	1120.7	1092.0	15
16	983.4	975.1	994.6	993.9	1134.0	1231.6	1241.5	1222.0	1189.4	1154.9	1119.8	1091.5	16
17	982.9	974.7	994.6	993.9	1138.3	1232.5	1241.2	1221.5	1188.6	1153.7	1118.9	1090.8	17
18	982.6	974.5	994.7	993.9	1145.9	1233.2	1240.6	1220.4	1187.6	1152.4	1117.5	1090.0	18
19	982.2	974.8	994.9	997.1	1150.7	1233.7	1240.1	1219.6	1186.9	1151.0	1116.9	1089.2	19
20	981.7	974.8	994.9	999.1	1154.2	1234.6	1239.8	1218.2	1185.5	1149.4	1116.0	1088.5	20
21	981.4	974.3	995.7	999.9	1156.8	1234.9	1239.6	1217.3	1184.7	1148.4	1115.0	1088.0	21
22	981.2	974.2	995.8	999.9	1158.5	1237.3	1239.3	1216.5	1183.8	1147.0	1114.1	1087.2	22
23	980.9	974.0	996.0	999.6	1159.8	1238.7	1238.7	1215.1	1182.6	1145.9	1113.1	1086.9	23
24	980.8	974.0	996.0	999.6	1161.0	1239.6	1238.2	1214.2	1181.4	1144.9	1112.1	1086.6	24
25	980.4	975.0	996.1	999.6	1161.8	1240.1	1237.9	1213.0	1180.1	1143.4	1111.1	1085.6	25
26	980.1	975.8	995.8	999.8	1162.3	1240.5	1237.0	1212.2	1178.9	1142.2	1109.8	1084.9	26
27	979.8	975.6	996.0	999.8	1162.7	1241.3	1236.7	1211.0	1177.7	1141.0	1108.8	1084.4	27
28	979.7	975.4	995.8	999.8	1163.8	1241.7	1236.0	1210.3	1176.4	1140.2	1107.9	1083.9	28
29	978.9	976.8	995.7	1000.1		1241.9	1235.4	1209.6	1174.7	1138.8	1106.8	1083.3	29
30	978.6	979.5	995.5	1000.1		1242.4	1234.8	1208.4	1173.5	1137.8	1106.0	1082.8	30
31	978.3		995.7	1000.4		1242.6		1207.7		1136.5	1105.1		31
CHAN.	-12.1	+1.3	+16.2	+4.7	+163.5	+78.7	-7.8	-27.0	-34.2	-37.0	-31.4	-22.3	CHAN.
MAX.	989.7	979.5	996.1	1000.4	1163.8	1242.6	1243.4	1234.2	1206.9	1172.5	1135.2	1104.5	MAX.
MIN.	978.3	974.0	988.3	993.9	999.6	1170.6	1234.8	1207.7	1173.5	1136.5	1105.1	1082.8	MIN.

E — ESTIMATED
NR — NO RECORD
• — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
* — E AND •

MAXIMUM DAILY CONTENT	MO.	DAY	TIME
1243.4	4	3	1200

MINIMUM DAILY CONTENT	MO.	DAY	TIME
974.0	11	23	1200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 30 50	.122 06 15	NW29 8N 2W					JAN 57-DATE	1957		0.00	USCGS

Station located near center of Monticello Dam, 7.5 mi. W of Winters.
Records furn. by USBR. Drainage area is 577 sq. mi.

Lake Berryesaa has a usable capacity of 1,592,000 ac. ft. between elevations 253.25 and 440 ft.
Not available for release is 10,340 ac. ft.

Daily content shown is at 12 Noon. Period of record is shown under period of record for gage height.

TABLE 368

CURRENT METER MEASUREMENTS AT MISCELLANEOUS SITES
Measurements of stream flow at points other than gaging stations or at points where flow has not been computed are listed in the following table

Stream	Tributary To	Location	Measurements		
			Date	Gage Height (ft)	Discharge (cfs)
Ash Slough at Tyler Road	San Joaquin River	Sec. 12 T10S R14E	2/17/62	3.82	1210
Ash Slough at Santa Fe R.R. Bridge	San Joaquin River	Sec. 18 T 9S R17E	2/14/62 2/15/62	3.09 5.12	918 2900
• Berenda Creek at Highway 145	San Joaquin River	Sec. 16 T10S R17E	3/2/62 3/7/62	6.97 7.31	0.69 6.84
Berenda Slough at Santa Fe R.R. Bridge	San Joaquin River	Sec. 18 T11S R19E	2/14/62 2/15/62	2.74 3.44	211 398
Berenda Slough near Dairyland	San Joaquin River	Sec. 34 T10S R15E	2/17/62	2.11	240
Cache Creek	Yolo Bypass	Sec. 29 T20N R3E	3/8/62	27.12	5000
Chowchilla River near El Nido	San Joaquin River	Sec. 31 T 9S R14E	2/17/62	[a] 2.05	97.0
Chowchilla River at Santa Fe R.R. Bridge	San Joaquin River	Sec. 12 T 9S R16E	2/14/62 2/15/62	2.58 4.42	108 404
• Cottonwood Creek at Highway 145	San Joaquin River	Sec. 5 T11S R19E	2/14/62 3/1/62 3/7/62	1.06 0.50 0.67	10.5 0.41 5.20
• Cottonwood Creek near Madera at Road 25	San Joaquin River	West Line Sec. 7 T12S R17E	2/17/62 3/7/62	[a] 4.42 [a] 3.28	146 191
• Daulton Creek near Daulton	Dry Creek	Sec. 27 T 9S R18E	2/15/62 3/2/62 3/6/62 4/5/62 4/16/62 5/2/62	10.46 7.66 7.97 7.37 7.35 7.21	110 7.13 17.2 1.90 0.85 0.28
Dry Creek near Kiemet at M.I.D. Diversion Works	San Joaquin River	Sec. 24 T10S R18E	3/2/62	[b]	3.33
Fresno River west of Madera	San Joaquin River	Sec. 14 T11S R16E	2/17/62	[a] 1.73	[c] 642
Fresno River near Madera at M.I.D. Gaging Station	San Joaquin River	Sec. 8 T11S R18E	2/17/62	2.24	1110
• Hildreth Creek below Highway 145 Bridge	Cottonwood Creek	Sec. 4 T11S R19E	2/14/62 2/15/62 3/1/62 3/7/62 4/5/62 4/10/62 4/16/62	4.70 5.06 4.20 4.70 3.87 4.09 3.77	43.0 88.1 9.60 39.4 1.64 6.50 0.53
Hildreth Creek above Highway 145 Bridge	Cottonwood Creek	Sec. 35 T10S R19E	3/2/62	[b]	8.92
North Fork Mokelumne River below Walnut Grove Road Bridge		T4N R4E	2/11/62 to 2/12/62		[d] 6650
South Fork Mokelumne River at New Hope Bridge		T4N R4E	2/11/62 to 2/12/62		[d] 3405
Miner Slough near Five Points		T5N R3E	3/22/62 to 3/23/62		[d] 3745 [d] 3755
Steamboat Slough near Head		T5N R4E	3/22/62 to 3/23/62		[d] 4865 [d] 4940
Sutter Slough near Miner Slough		T5N R3E	3/22/62 to 3/23/62		[d] 5810 [d] 5940
Walthall Slough [e]	San Joaquin River	Sec. 14 T2S R6E	12/26/61 1/26/62 4/2/62 4/27/62 6/29/62 7/27/62 8/30/62	2.41 2.44 2.53 3.06 2.96 3.22 3.94	1.88 2.30 4.71 17.5 17.0 18.0 29.5

• Staff gage installations only.
a Measuring point to water surface.
b No gage.
c River overflowing banks at the measuring site.
d Mean for complete cycle of the tides.
e Measurement of Walthall Slough flow to Weatherbee Lake. The flow of South San Joaquin Irrigation District Drain 11 near Manteca is included, and the gage heights shown are for the Manteca gage.

PLATES

NORTH COASTAL REGION

1 Little Shasta River near Montague
2 Shasta River near Edgewood
3 Etna Creek near Etna
4 Moffett Creek near Fort Jones
5 Browns Creek near Douglas City
6 Weaver Creek near Douglas City
7 North Fork Trinity River at Helena
8 Big Creek near Hayfork

CENTRAL VALLEY REGION

1 Willow Creek near Willow Ranch
2 Lassen Creek near Willow Ranch
3 North Fork Davis Creek near Davis Cr
4 Big Sage Reservoir near Alturas
5 Pit River below Alturas
6 Pine Creek near Alturas
7 South Fork Pit River near Jess Valle
8 Turner Creek near Canby
9 Rush Creek near Adin
10 Ash Creek at Adin
11 Butte Creek near Adin
12 Willow Creek near Adin
13 Fall River near Dana
14 Sacramento River near Mount Shasta
15 Horse Creek at Little Valley
16 Hat Creek near Cassel
17 Burney Creek near Burney
18 Little Cow Creek near Ingot
19 Shasta Lake
20 Salt Creek near Bella Vista
21 Sacramento River at Keswick
22 Bear Creek near Millville
23 Clear Creek near Igo
24 North Fork Cottonwood Creek near Igo
25 South Fork Battle Creek near Mineral
26 Battle Creek near Cottonwood
27 Cottonwood Creek near Cottonwood
28 Dry Fork S. F. Cottonwood Creek near Cottonwood
29 South Fork Cottonwood Creek near Cottonwood
30 Sacramento River near Red Bluff
31 Antelope Creek near Red Bluff
32 Sacramento River at Red Bluff
33 Lights Creek near Taylorsville
34 Indian Creek near Taylorsville
35 Red Clover Creek near Genesee
36 Indian Creek near Boulder Creek Guard Station
37 Red Bank Creek near Red Bluff
38 North Fork Mill Creek near Los Molin
39 Mill Creek near Mouth
40 Mill Creek near Los Molinos
41 Deer Creek near Vina
42 Spanish Creek near Quincy
43 Little Last Chance Creek near Chilco
43A Little Last Chance Creek above Franc
43B Little Last Chance Creek below Franc
43C Frenchman Creek near Chilcoot
44 Middle Fork Feather River near Porto
45 Smithneck Creek near Loyalton
46 Miller Creek near Sattley
47 Sacramento River at Vina Bridge
48 Thomes Creek at Paskenta
49 Sacramento River at Hamilton City
50 Big Chico Creek near Chico
51 Little Chico Creek near Chico
51A Little Chico Creek Diversion near Ch
52 Butte Creek near Chico
53 Butte Creek near Durham
54 Big Chico Creek at Chico
55 Lindo Channel near Chico
56 Stony Creek at St. John
57 Stony Creek near Hamilton City
58 Grindstone Creek near Elk Creek
59 Sacramento River at Ord Ferry
60 Feather River near Oroville
61 Cherokee Canal near Richvale
62 Sacramento River at Butte City
63 Feather River near Gridley
64 North Honcut Creek near Bangor
65 Moulton Weir Spill to Butte Basin
66 Sacramento River opposite Moulton We
67 Stone Corral Creek near Sites
68 Colusa Weir Spill to Butte Basin
69 Deer Creek near Nevada City
70 Yuba River at Englebright Dam
71 Colusa Basin Drain at Highway 20
72 Sacramento River at Colusa
73 Bloody Run Creek near North San Juan
74 Butte Slough at Outfall Gates
75 Butte Slough at Mawson Bridge
76 Sutter Bypass at Long Bridge
77 Wadsworth Canal near Sutter
78 Feather River at Yuba City
79 Yuba River near Marysville
80 Sutter Bypass at State Pumping Plant
81 Sacramento River at Meridian
82 Middle Creek near Upper Lake
83 Clover Creek at Upper Lake
84 Clover Creek Bypass near Upper Lake
85 Scott Creek at Upper Lake
86 Scott Creek near Lakeport

Plate 1

SURFACE WATER MEASUREMENT STATIONS

NORTH COASTAL REGION

Little Shasta River near Montague
Shasta River near Edgewood
Scott Creek near Etna
Moffett Creek near Fort Jones
Browns Creek near Douglas City
Weaver Creek near Douglas City
North Fork Trinity River at Helena
Big Creek near Hayfork

CENTRAL VALLEY REGION

Willow Creek near Willow Ranch
Lassen Creek near Willow Ranch
North Fork Davis Creek near Davis Creek
Mt Hough Reservoir near Alturas
F35 Miter below Alturas
Pine Creek near Alturas
South Fork Pit River near Jess Valley
Burney Creek near Burney
Rush Creek near Adin
Ash Creek at Adin
Butte Creek near Adin
Willow Creek near Adin
Pit1 River near Canby
Sacramento River near Mount Shasta
Hunter Creek at Castle Valley
Bat Creek near Cassel
Burney Creek near Burney
Battle Creek near Inggot
Fiasta Lake
Salt Creek near Belle Vista
Sacramento River at Keswick
Bear Creek near Millville
Clear Creek near Igo
North Fork Cottonwood Creek near Igo
South Fork Battle Creek near Mineral
American River at Fair Oaks
Cottonwood Creek near Cottonwood
Dry Fork S. F. Cottonwood Creek near Cottonwood
South Fork Cottonwood Creek near Cottonwood
Sacramento River near Red Bluff
Agricultural Creek near Red Bluff
Sacramento River at Red Bluff
Elder Creek near Jacksonville
Indian Creek near Taylorville
Indian Creek near Boulder Creek Guard Station
Oak Bank Creek near Red Bluff
North Fork Mill Creek near Los Molinos
Mill Creek near Vina
Mill Creek near Los Molinos
Deer Creek near Vina
Spanish Creek near Quincy
Little Last Chance Creek near Chilcoot
Little Last Chance Creek above Frenchman Dam
Little Last Chance Creek below Frenchman Dam
Frenchman Creek near Chilcoot
Middle Fork Feather River near Portola
Smithneck Creek near Appleton
Miller Creek near Nelson
Sacramento River at Vina Bridge
Thomes Creek at Paskenta
Sacramento River at Hamilton City
Big Chico Creek near Chico
Little Chico Creek near Chico
Little Chico Creek Diversion near Chico
Butte Creek near Chico
Butte Creek near Durham
Big Chico Creek at Chico
Lindo Channel near Chico
Stony Creek at St. John
Stony Creek near Hamilton City
Grindstone Creek near Elk Creek
Sacramento River at Red Bluff
Feather River near Oroville
Thermalito Canal near Oroville
Sacramento River at Butte City
Feather River near Bridgeyard
North Honcut Creek near Bangor
Woodleaf Weir Spill to Butte Basin
Sacramento River opposite Woodleaf Weir
Stone Corral Creek near Biles
Colusa Weir Spill to Butte Basin
Deer Creek near Nevada City
Yuba River at Englebright Dam
Colusa Basin Drain at Highway 20
Sacramento River at Colusa
Muddy Run Creek near North San Juan
Butte Slough at Outfall Gates
Butte Slough at Reveen Bridge
Sutter Bypass at Long Bridge
Sacramento Canal near Sutter
Feather River at Yuba City
Yuba River near Marysville
Sutter Bypass at State Pumping Plant 3
Sacramento River at Meridian
Middle Creek near Upper Lake
Clover Creek at Upper Lake
Clover Creek Bypass near Upper Lake
Scott Creek at Upper Lake
Scott Creek near Lakeport

Copsey Creek near Lower Lake
Bear Creek near Rumsey
Cache Creek above Rumsey
Colusa Basin Drain near College City
R. D. 70 Drainage to Sacramento River
R. D. 1660 Drainage to Sutter Bypass
Tisdale Weir Spill to Sutter Bypass
Tisdale Bypass at R. D. 1660 Pumping Plant
R. D. 1660 Drainage to Tisdale Bypass
Sutter Bypass at State Pumping Plant 2
Feather River below Shanghai Bend
Dry Creek near Wheatland
Wolf Creek near Wolf
Spring Creek near North San Juan
Bear River near Wheatland
Sacramento River below Wilkins Slough
Sutter Bypass at State Pumping Plant 1
Feather River at Nicolaus
Coon Creek at Highway 99E
Auburn Ravine at Lincoln
Sacramento River above R. D. 108 Pumping Plant
R. D. 108 Drainage to Sacramento River
R. D. 787 Drainage to Sacramento River
R. D. 787 Drainage to Colusa Basin Drain
Colusa Basin Drain at Knights Landing
Sacramento River at Knights Landing
R. D. 1500 Drainage to Sacramento Slough
Natomas Cross Canal at Head
R. D. 1001 Drainage to Natomas Cross Canal
Linda Creek near Roseville
Sacramento River at Verona
Sacramento River at Freeport weir, East End
Freeport weir Spill to Yolo Bypass
Sacramento River at Freeport Weir, West End
Sacramento Slough at Sacramento River
Cache Creek at Yolo
Yolo Bypass near Woodland
Folsom Reservoir
American River at Fair Oaks
R. D. 1000 Drainage to Sacramento River
Fruitvale Lateral
R. D. 1000 Drainage to Sacramento River (Second Banner Slough)
Yolo Bypass below Sacramento Bypass
Sacramento Weir Spill to Yolo Bypass
Sacramento River at Sacramento Weir
Sacramento River at Sacramento
Arden Area Drainage to American River (Pumping Plant #1)
Arden Area Drainage to American River (Pumping Plant #2)
American River at Sacramento
Pleasants Creek near Winters
Putah Creek near Road 99W
Putah Creek above Davis
South Fork Putah Creek near Davis
Yolo Bypass near Liston
Sacramento River at Freeport
Deer Creek near Sloughhouse
Cosumnes River at Michigan Bar
Sacramento River at Georgiana Slough
Butter Creek near Butter Creek
Dry Creek near Ione
Cosumnes River at McConnell
Yolo Bypass at Lisbon Headland
Miner Slough at Five Points
Snodgrass Slough at Twin Cities Road Bridge
Delta Cross Channel at Walnut Grove
Yolo Bypass at Lindsey Slough
Sacramento River at Walnut Grove
South Fork Mokelumne River at New Hope Bridge
Mokelumne River near Thornton
Sacramento River at Rio Vista
Sacramento River at Isleton
Sacramento River at Collinsville
Threemile Slough at Sacramento River
Threemile Slough at San Joaquin River
Georgiana Slough at Mokelumne River
San Joaquin River at San Andreas Landing
Mokelumne River at Woodbridge
Calaveras River at Jenny Lind
Calaveras River at Bellota
San Joaquin River at Venice Island
San Joaquin River at Antioch
Centre Tosta Canal near Oakley
Old River at Holland Tract
Old River near Bora Slough
Bora Slough at Contra Costa Canal Intake
Middle River at Bacon Island
San Joaquin River at Mingo Ferry
Stockton Ship Channel at Burns Cutoff
Mormad Lake at Stockton
Stockton Diverting Canal at Stockton
Calaveras River near Stockton
Mormon Slough at Bellota
Duck Creek Diversion near Farmington
Littlejohns Creek at Farmington
Duck Creek near Stockton
French Camp Slough near French Camp
Tuolumne River at LaGrange Bridge

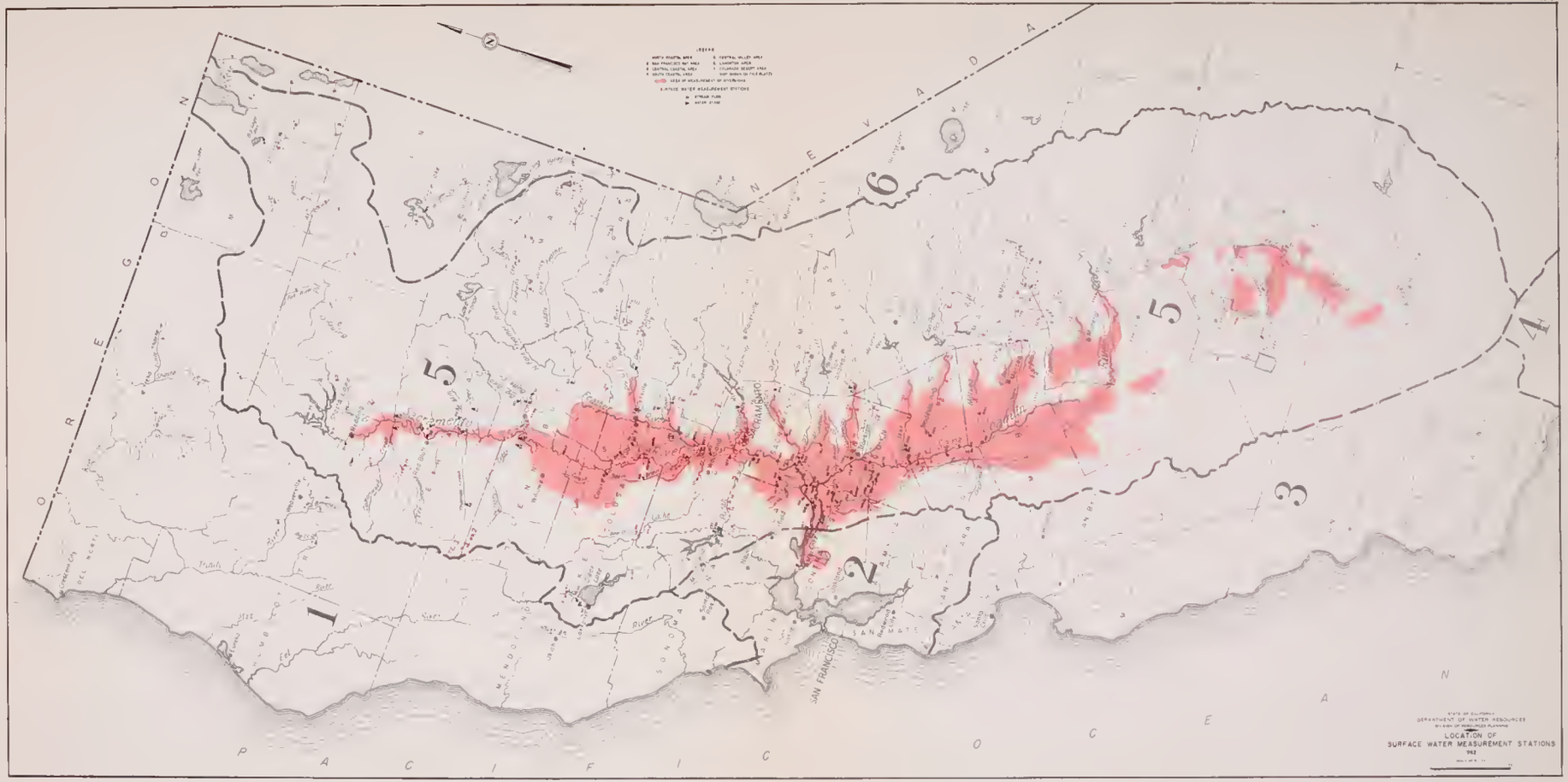
San Joaquin River at Brandt Bridge
Old River at Mansion House
Middle River Bordan Highway
Old River at Clifton Court Ferry
Delta Mendota Canal near Tracy
Grant Line Canal at Tracy Road Bridge
Old River near Tracy Road Bridge
Middle River at Mowry Bridge
Tom Paine Slough above Mouth
San Joaquin River at Rosedale Bridge
Stanislaus River at Orange Blossom Bridge
Stanislaus River at Ripon
South San Joaquin I. D. Drain 11 near Manteca
Stanislaus River near Mouth
San Joaquin River near Vernalis
San Joaquin River at Mare Road Bridge
Stanislaus River at Vernalis "Aerch
Stanislaus River at Ripon
Dry Creek near Modesto
Tuolumne River at Shiloh Bridge
Tuolumne River at Roberts Ferry Bridge
Maxwell Creek at Coulterville
North Fork Merged River near Coulterville
Tuolumne River at Modesto
Tuolumne River at Tuolumne City
San Joaquin River at Hatch Hatchy Aqueduct Crossing
San Joaquin River at West Stanislaus Irrigation District Intake
Burkhardt Drain near Grayson
San Joaquin River at Grayson
San Joaquin River at Patterson Bridge
San Joaquin River at Crows Landing Bridge
Orestimba Creek near Crows Landing
Tuolumne River at Newman
San Joaquin River near Stevinin
San Joaquin River at Fremont Ford Bridge
Merced River near Livingston
Merced River at Cressey
Merced River below Dalling
Burns Creek below Burns Reservoir
Bear Creek near Catheys
Burns Creek at Bonnites
West Fork Chowchilla River near Mariposa
Big Creek Diversion near Pine Camp
Miami Creek near Coarsegold
Lewis Fork French River near Oakhurst
Middle Fork Chowchilla River near Raymond
East Fork Chowchilla River near Ahwahnee
Stricker Rock Creek near Raymond
Chowchilla River near Raymond
Mariposa Creek near Catheys
Bear Creek below Bear Reservoir
Owens Creek below Owens Reservoir
Mariposa Bypass near Crows Landing
Mariposa Creek below Mariposa Reservoir
San Joaquin River near Los Palos
San Joaquin River above Sand Slough near Orestimba
Millerton Lake
Panoche Drain near Dos Palos
San Joaquin River near Newhalls
San Joaquin River at Whitesbridge
South Fork Kings River below Empire weir 2
Cross Creek below Lakeland Canal 2
Tulare Lake
Elk Bayou near Tulare
Kaweah River below Terterville
Friant-Kern Canal Delivery to Tule River
Friant-Kern Canal Delivery to Porter Slough
Porter Slough near Porterville
Porter Slough at Porterville
North Fork Tule River at Springville
Deer Creek near Terra Bella 3, D.
Kern River near Bakersfield

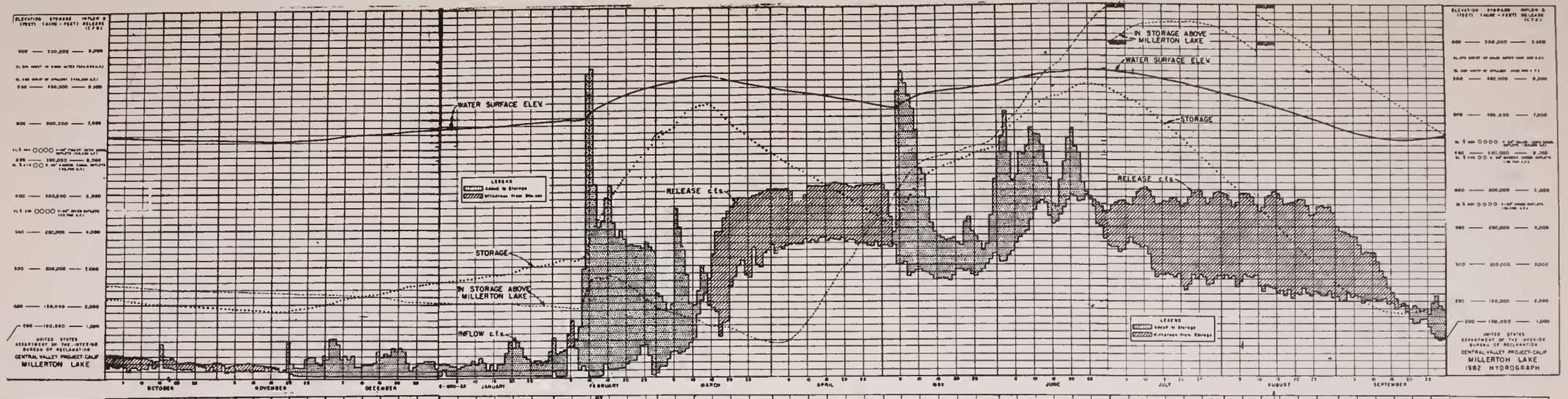
LAHONTAN REGION

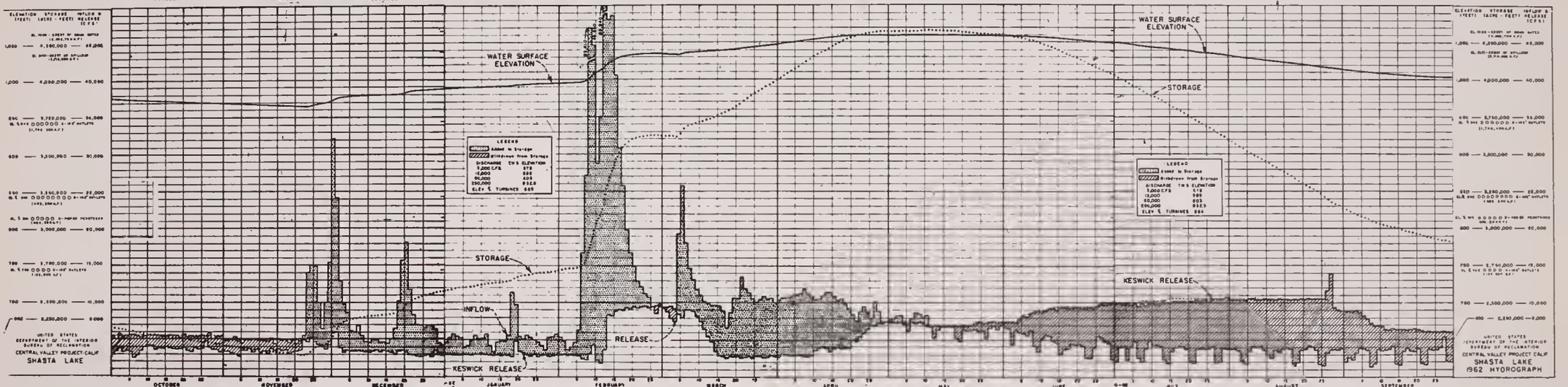
1 Bidwell Creek near Fort Bidwell
2 Cedar Creek at Cedarville
3 Eagle Creek at Cedarville
4 Fire Creek near Susanville
5 Eagle Lake near Susanville
6 Willow Creek near Litchfield
7 Gold Run Creek near Susanville
8 Long Valley Creek near Doyle
9 Blackwood Creek near Tahoe City
10 Trout Creek near Tahoe Valley
11 Upper Truckee River near Meyers

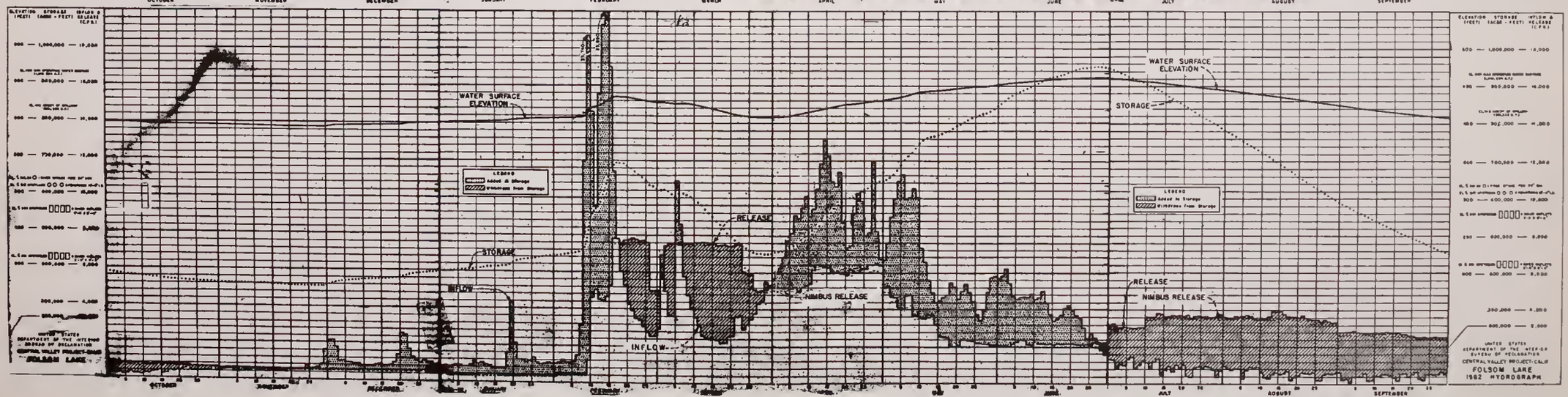
SAN FRANCISCO BAY REGION

1 Suisun Bay at Benicia Arsenal
2 Arroyo De Los Cochos near Milpitas
3 Butano Creek near Pescadero




WATER SURFACE ELEV
STORAGE
IN STORAGE ABOVE MILLERTON LAKE
INFLOW c.f.s.
RELEASE c.f.s.
LEGEND
Added to Storage
Withdrawn from Storage
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT-CALIF
MILLERTON LAKE
1962 HYDROGRAPH


WATER SURFACE ELEVATION
STORAGE
INFLOW
RELEASE
KESWICK RELEASE
LEGEND
Added to Storage
Withdrawn from Storage
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT-CALIF
SHASTA LAKE
1962 HYDROGRAPH


WATER SURFACE ELEVATION
STORAGE
INFLOW
RELEASE
NIMBUS RELEASE
LEGEND
Added to Storage
Withdrawn from Storage
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT-CALIF
FOLSOM LAKE
1962 HYDROGRAPH